

**IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF TEXAS
HOUSTON DIVISION**

USOR SITE PRP GROUP,

Plaintiff,

v.

**A-1 CLEANING SEPTIC
SERVICE, LLC; et.al.**

Defendants.

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CIVIL ACTION NO. 4:14-cv-02441

**AFFIDAVIT OF KIRK W. BROWN
IN OPPOSITION TO DEFENDANT J.L.H. AUTOMOTIVE, LTD. DBA
JEFF HAAS MAZDA'S MOTION FOR SUMMARY JUDGMENT**

1. My name is Kirk W. Brown and I reside at 12684 Hunters Creek Road in College Station, Brazos County, Texas. I certify that I am over 21 years of age and am competent to make this affidavit.

Background and Qualifications

2. From 1970 through 2001, I was a member of the faculty at Texas A&M University and currently serve as Professor Emeritus in the Soil and Crop Sciences Department, Texas A&M University, College Station, Texas. In 1990, I received a joint appointment to the faculty in Toxicology where I supervised the research of master's degree and doctoral candidates in the field of toxicology as well. My educational background includes a Bachelor of Science degree in Agronomy from Delaware Valley College (1962), Masters of Science degree in Agronomy/Plant Physiology from Cornell University (1964), and a Doctor of Philosophy degree from University of Nebraska (1969). My resume is attached as Appendix 1. It includes my complete list of publications.
3. From 1987 through 2001, I taught a graduate level course entitled "Land Disposal of Wastes". This course addressed the theoretical and practical aspects of land treatment and landfilling of a wide range of municipal, industrial, and hazardous wastes with a special emphasis on the fate and mobility of waste constituents in both soil and surface waters, including the influence of soil physical and chemical properties on the constituent fate. As part of the work for this course, I taught a section on basic risk assessment and the impacts of risk under the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA").

4. During my tenure at Texas A&M, I conducted extensive research including numerous research projects for the U.S. Environmental Protection Agency (“USEPA”) and the National Institute of Health (“NIH”) on the fate and transport of contaminants, including pathways of exposure and toxicity of hazardous substances to receptors in the environment. As a result of these research efforts, I have authored or co-authored over 190 peer-reviewed, scientific publications, twenty-five of which deal with risk assessment or toxicity of hazardous substances in the environment.
5. I have served on Technical advisory panels to the USEPA, committees of the Office of Technical Assessment and the National Academy of Science. Significant reports resulting from these committee assignments include, Groundwater and Soil Cleanup, Improving Management of Persistent Contaminants (1999); Ranking Hazardous Waste Sites (1994); Coming Clean, Superfund Problems Can Be Solved (1989); and Superfund Strategy (1985).
6. In 1981, I was appointed to the USEPA Land Treatment Task Force where I served from 1981 through 1985. As part of my assignment with the Task Force, I evaluated the alternatives for land disposal of wastes and the risk associated the disposal alternatives. While a member of this Task Force, I testified before the U.S. House of Representatives – Science and Technology Committee in November 1982 on the adequacy of USEPA’s liquid management system to protect groundwater at hazardous waste landfills, which lead to the passage of the Hazardous and Solid Wastes Amendments of 1984 under the Resource Conservation and Recovery Act (“RCRA”).
7. In 1983 and 1984, I was a member of the Advisory Panel to the U.S. Congressional Office of Technology Assessment. This panel was tasked with determining the effectiveness of current USEPA programs to clean up uncontrolled hazardous waste sites. As part of my assignment with this committee, I reviewed and evaluated the toxicity and imposed risk to receptors due to hazardous substances and provided recommendations for improving the efficiency of the USEPA programs to mitigate risk at uncontrolled hazardous waste sites.
8. In 1984, I was a member of the Office of Water Regulations and Standards Committee on Municipal Sludge Landfilling, which was formed to advise USEPA on the pollutants which should be regulated for disposal and the methods or procedures to be used for regulating such pollutants. As part of my work for this committee, I assessed the hazards and risks associated with the hazardous substance contained in municipal sewage sludge and provided recommendations for regulations of metals in sewage sludge based on the degree of risk presented by exposure to these constituents.

9. From 1987 through 1995, I was a member of the Advisory Panel to U.S. Congressional Office of Technology Assessment which was tasked with assessing the effectiveness of the USEPA in identifying, prioritizing, and cleaning up hazardous waste sites. As part of my work for this committee, I evaluated the impacts of exposure from different media and the effectiveness of available technologies to mitigate exposure and risk from hazardous waste sites.
10. From 1991 through 1994, I served on the National Academy of Sciences, Committee on Remedial Action Priorities for Hazardous Waste Sites, where I evaluated the role of risk assessment and mitigation of risk in the decision process for remedial action.
11. From 1995 through 1998, I served on the National Academy of Sciences, National Research Council Committee on Environmental Technologies, Subcommittee on Landfills. As part of my assignment to this committee, I evaluated the risk due to contaminants in soil and groundwater and recommended strategies for the managements and control of recalcitrant wastes for the reduction of risk due to these persistent contaminants.
12. In addition, I have served on numerous USEPA review panels addressing toxicity and risk including the following, among others:
 - a. USEPA Panel to Review the Acceptability of Landfill Disposal of Sewage Sludge (1984);
 - b. USEPA Panel to Write a Protocol for Mutagenicity Sample Preparation (1984);
 - c. USEPA Hazardous Waste Center Review Panel (1988); and
 - d. USEPA Review for Risk Assessment for Petroleum Industry Hazardous Waste Listing Determination (1995).
13. I was the primary author of a 1982 Publication for the USEPA's Municipal Environmental Research Laboratory entitled, Characteristics of Hazardous Waste Streams. This publication addressed the specific industrial sources of waste and the hazardous substances they contain as related to the standard industrial classification (SIC) codes of the industrial generator.
14. I was the primary author of a 1983 publication for the USEPA entitled, Hazardous Waste Land Treatment. This publication specifically addressed the treatment of hazardous waste from industrial waste streams to mitigate risk and eliminate risk to potential receptors upon completion of land treatment.
15. Additionally, I provided technical review as a member of peer review panels for the United States Department of Health and Human Services, Public Health Services for review of toxicological profiles for the Agency for Toxic Substances and Disease Registry ("ATSDR") from 1990 through 2000.

16. I have been a consultant in the field of environmental science and engineering for the past 36 years. I founded K. W. Brown and Associates, Inc., and served as President from 1980 until 1991. I was employed as a Principal Consultant with K. W. Brown Environmental Services from 1991 until 1999 and with SI Group, LP from 2000 through 2008. In March 2009, I joined the firm of ThermoTech Intl. ("TTI") and was employed as a Principal Consultant through April 2011. Since that time, I have been employed as an independent consultant.
17. As a consultant, I have studied and am familiar with industrial, commercial, and residential waste, and the disposal facilities that eventually contain such waste. I have extensive expertise regarding the fate and transport of hazardous substances which were contained in these wastes when released to the environment in general, and to the soils in particular. I have researched the risks associated with leachate from landfills containing these wastes. I have also investigated the fate and behavior of organic compounds and metals found in leachate from landfills and the resulting impacts on the underlying groundwater. I have reviewed numerous remedial plans and proposed remedies pertaining to landfills containing industrial, commercial, and residential wastes.
18. Through these years of consulting, numerous private and public clients have employed me. My expertise has been utilized for site assessments, data review and interpretation, waste management activities, the study of fate and transport of contaminants in the environment, the movement of contaminants in groundwater and surface water, the design and implementation of remedial actions for recalcitrant organic compounds, and other related environmental matters. I have also reviewed and interpreted a large quantity of analytical data for soils and groundwater, as well as borings logs, field logs, technical reports, and other information related to the environmental conditions of a site.
19. As a consultant, I have evaluated or analyzed numerous waste disposal and landfill sites including the following: Laurel Park Landfill, Beacon Heights Landfill, Lone Pine Landfill, Ft. Bend County Landfill, Oak Grove Landfill, East Bethel Landfill, Dickson County Landfill, and Sinton Landfill, among others. In addition, I have also worked on the following Superfund sites: Hardage Criner, Love Canal Landfill, Lowrey Landfill, Montana Pole, National Gypsum, Riley Tar, Sharon Steel, Helen Kramer Landfill, Sikes' Pits, Metal Bank of America, Tar Creek, and the West Dallas Lead Site.
20. I am personally familiar with the definition of "hazardous substance" as defined in § 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act and under the statutes and regulations incorporated by reference into that section. A hazardous substance under

CERCLA is defined in 42 U.S.C. § 9601 (14), invoking the EPA designations under 42 U.S.C. § 3001 and 9602, among other statutes. Included in the definition of a CERCLA hazardous substance are certain hazardous wastes which are either listed in 40 C.F.R. § 261, Subpart D or have certain identified characteristics as described in 40 C.F.R. § 261, Subpart C. Likewise, I am familiar with the regulations defined in the Texas Solid Waste Disposal Act (H&S Code § 361) and the requirements specified for the disposal of solid wastes contained in that chapter.

21. I have qualified and given testimony as an expert witness in civil cases in federal and state courts, regulatory hearings, and enforcement actions pertaining to hazardous wastes, organic chemical contamination, and the fate and transport of organic chemicals, metals, and other contaminants in environmental media, as well as exposure and risk, among other issues. I have offered opinions related to these topics at several Superfund sites. A complete list of cases in which I have rendered opinions is presented in Attachment 2.
22. As a result of these activities, I am intimately familiar with the hazardous substances contained in the wastes received by the U.S. Oil Recovery Site (“USOR”) site and am well aware of the risk associated with the exposure to these hazardous substances when released to the environment.

Data and Other Information Considered

23. I was retained by counsel for the U.S. Oil Recovery Site PRP Group in connection with the above-captioned lawsuit. One of the subjects I was asked to consider was whether waste streams of certain Defendant companies, which I understand had been disposed of at the USOR site in Harris County, Texas, contained “hazardous” substances, giving “hazardous” the same meaning it has in Federal and state environmental law.
24. At the request of counsel for the Plaintiffs, I have prepared this affidavit in response to recent Motions to Dismiss and/or Motions for Summary Judgement by the Defendant. I have reviewed the site information and discovery responses provided by counsel as well as information gathered independently and offer my professional opinions in this report. The opinions I have formed in this matter are based on my education and experience as well as the information cited for this report in Attachment 3.

Opinions and Basis of Opinions

25. I have reviewed the discovery records concerning the operations of J.L.H. Automotive, Ltd. d/b/a Jeff Haas Mazda (“J.L.H. Automotive”) which were provided by counsel.
26. In Defendant J.L.H. Automotive, Ltd. dba Jeff Haas Mazda's Original Answer to the Second Amended Complaint filed by the USOR Site PRP Group, J.L.H. Automotive stated, “JH Mazda

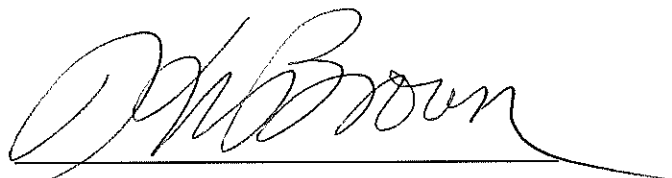
denies it is an arranger or generator of materials containing hazardous substances. JH Mazda further denies it selected the USOR Site for the disposal of any materials containing hazardous substances.” However, J.L.H. Automotive stated, “JH Mazda admits that Southern Discount was retained to haul away the contents from its grit traps but denies it selected the USOR Site” (J.L.H. Automotive, 2016a).

27. In the Affidavit of Jeff Haas, Mr. Haas stated, “Haas Mazda has two car washes that are used to periodically wash new and used cars that are held for sale. The car washes are also used to wash customer vehicles that are in for service work” (J.L.H. Automotive, 2016b).
28. According to internet Yellow Pages listings for Jeff Haas Mazda, the Defendant operated an automobile dealership for new and used vehicles at 11222 Katy Freeway in Houston, Harris County, Texas. The dealership also operates a service department for vehicle maintenance. The NAICS Codes for the facility are 441110, 441120, 811191, and 811198.
29. In the Texas Commission of Environmental Quality (“TCEQ”) Central Registry, the Jeff Haas Mazda facility is affiliated with two regulated entities. JCH Automotive dba Jeff Haas Mazda is the regulated entity under the Industrial and Hazardous Waste, Solid Waste Registration program. The facility is also registered as JLH Automotive, LTD as a fleet refueling operation with an inactive petroleum storage tank registration (TCEQ, 2017a, TCEQ, 2017b).
30. JCH Automotive dba Jeff Haas Mazda is also registered as a hazardous waste generator in the EPA RCRA Information database. The facility is affiliated with applicable waste codes D001, D006, D018, and D039, indicating ignitable wastes along with cadmium, benzene, and tetrachloroethylene produced as waste products (EPA, 2017).
31. As indicated in the affidavit of Mr. Haas, the car wash bays were used to wash new and used vehicles from the facility inventory as well as customer vehicles following maintenance work. Waste streams generated as a result of the washing operations would have included dirt, oil, oily sludge, grease, and road tar. More likely than not, these waste streams would have also included corrosion inhibitors, spot removers, degreasing compounds, tar removers and solvents.
32. In my opinion, based on the J.L.H. Automotive discovery records that I reviewed, my knowledge and experience with grit trap waste disposal operations carried out by companies like J.L.H. Automotive during the time period in question, and references provided by EPA and other sources, the waste streams listed above contained one or more of the following substances, all of which are hazardous substances under CERCLA: acetone, benzene, dichloroethylene, methyl ethyl ketone, methylene chloride, perchloroethylene, toluene, trichloroethane, trichloroethylene, xylene,

arsenic, cadmium, chromium, copper, lead, and zinc (Brown and Nelson, 1984; EPA, 1991, EPA, 1999).

33. Based on the waste manifests contained in the Defendant's Motion for Summary Judgement, I understand that the grit trap wastes of J.L.H. Automotive were disposed of at the USOR site and would have contributed to the wastes that were present at the USOR site (J.L.H. Automotive, 2016b).
34. Emergency response actions by USEPA and the TCEQ in July, 2010, November 2010, and January 2011, identified the following substances, among others, as contaminants of concern for the site: acetone, benzene, toluene, xylene, dichloroethylene, methyl ethyl ketone, methylene chloride, perchloroethylene, trichloroethane, trichloroethylene, and vinyl chloride. (EPA, 2011a; EPA, 2011b)
35. A health consultation by the ATSDR of the neighboring Vince Bayou in August 2009, identified chromium, copper, lead and zinc, among other metals as contaminants of concern (ATSDR, 2009).

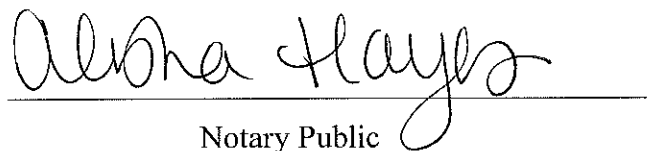
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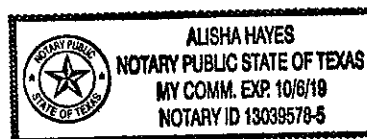
Dr. Kirk Wye Brown

SWORN AND SUBSCRIBED TO

Before me this 25 day of January 2017.



Notary Public



APPENDIX 1

Kirk W. Brown, Ph.D.

Biographical Data

Principal Consultant; KW Brown, Environmental Consultant

Born: July 3, 1940; Bethlehem, PA

Citizenship: U.S.A.

Marital Status: Married

No. of Children: 3

Education

Ph.D., Agronomy, University of Nebraska, 1969

M.S., Agronomy/Plant Physiology, Cornell University, 1964

B.S., Agronomy, Delaware Valley College, 1962

Areas of Expertise

Fate and Movement of Salt, Oil, Metals, Organic Chemicals, Gases, Nutrients, Pesticides and Pathogens in Soil, Air and Groundwater Environments; Remediation of Metal and Organic Chemical Contaminated Soils and Groundwater; Leachability and Translocation of Metals and Organic Chemicals in the Soil Profile; Fixation and Stabilization of Metals in the Environment; Characteristics of Hazardous and Municipal Wastes; Industrial Waste Stream Identification; Classification and Fingerprinting of Waste Materials; Disposal of Municipal, Industrial, and Hazardous Waste by Land Treatment and Landfilling; Land Treatment of Sewage Sludge, Industrial Wastewater and Sludge; Bioremediation of Polluted Soils; Vapor Extraction of Soils; Toxicity and Risk-based Assessment of Soil Contaminants to Plants and Animals; Flux of Volatile Chemicals in Air; Air Dispersion Modeling; Influence of Chemicals on the Permeability of Landfill Liners; Sources and Transport of Methane; Composting of Municipal and Hazardous Waste; Design and Operation of Septic Systems; Nonpoint Source Pollution; Expansive Properties of Clay Soils; Soil Solution Sampling; Fate of Mutagenic Compounds in Soil; Mold and Fungal Growth; Reclamation of Drastically Disturbed Lands; Aerial Photo Interpretation; Soil Use and Suitability Classification; Agricultural Water Use Efficiency; Crop Water Stress; Golf Green and Athletic Field Construction; Use of Windbreaks; Soil Crusting; Gas Movement in Soil.

Academic

Professor Emeritus, Soil and Crop Sciences, Texas A&M University, 2001-Present.

Professor, Soil and Crop Sciences, Texas A&M University, 1981-2001.

Associate Professor, Soil and Crop Sciences, Texas A&M University, 1973-1981.

Assistant Professor, Soil and Crop Sciences, Texas A&M University, 1970-1973.

Visiting Scientist, Center of Plant Physiological Research, Wageningen, Netherlands, August, 1969-July, 1970.

Research Assistant, University of Nebraska, June, 1965-December, 1969.

Teaching Assistant, Cornell University, September, 1964-June, 1965.

COURSES TAUGHT

Soil Physics (Undergraduate Course No. 445) 1970-2001.

The practical aspects of soil texture, structure, water management, as well as the theoretical aspects of soil water potentials, and the movement of water, ions, gas, and heat in the soil.

Advanced Soil Physics (Graduate Course No. 617) 1970-1988.

An in-depth study of the physical properties of soil including basic principles which regulate the dynamics of soil, water and ion movement, soil aeration, and soil thermal relationships. Equations describing these processes are presented and references to current literature are provided for outside reading.

Kirk W. Brown

Reclamation of Drastically Disturbed Lands (Graduate Course No. 615) 1979-1986.

Concepts influencing the reclamation, revegetation, and establishment of a stable ecological system on lands that have been drastically disturbed by strip mining, severe erosion, or toxic waste contamination.

Land Disposal of Wastes (Graduate Course No. 616) 1987-2001.

The theoretical and practical aspects of the land treatment and landfilling of a wide range of municipal, industrial, and hazardous wastes. Emphasis has been placed on the fate and mobility of various waste constituents in the soil and the influence of soil physical and chemical properties on constituent fate.

Short Courses Taught

Soil Science Institute (One month course) 1984, 1986, 1992, 1993

Land Treatment of Industrial Waste - Chemical Engineering Society, 1982, 1983.

Landfill Liner Design, University of Texas - 1986, 1987.

Society Memberships

American Society of Agronomy, 1970-2001

Soil Science Society of America, 1970-2001

American Chemical Society, 1970-2001

International Society of Soil Science, 1970-2001

Editorial Board

Environmental Engineering Science, formerly Hazardous Waste and Hazardous Materials. 1989-2001.

Reviewed Papers For

Soil Science Society of America Proceeding; Soil Science, Journal of Environmental Quality; Environmental Engineering Science, formerly Hazardous Waste and Hazardous Materials; ATSDR; American Petroleum Institute; Water, Air & Soil Pollution; Waste Management & Research, Water Pollution Control Federation; Water Research; Waste Management; Journal of Hazardous Materials; Archives of Environmental Contamination and Toxicology.

Elected Positions

Chairman, ASA Section A5, 1989-90

General program chairman for ASA meetings, 1973

Chairman, ASA Section A3, 1972

Committee Appointments

National Academy of Sciences, National Research Council Committee on Environmental Technologies Subcommittee on Landfills (1995-1998).

EPA Review for Risk Assessment for Petroleum Industry Hazardous Waste Listing Determination (Sept 1995).

Environmental Geosciences Advisory Committee of the American Geological Institute representing the Soil Science Society of America (1993-2000).

National Academy of Sciences (NRC) Committee on Remedial Action Priorities for Hazardous Waste Sites (1991-1994).

Texas Natural Resource Conservation Commission Committee on rules on Wastewater Treatment Plant Sludge, Water Treatment Plant Sludge and Septic Tank Sludge Disposal (1992-1993).

Texas Water Commission Committee to Develop Regulations on the Land Application of Sewage Sludge (1992-93).

Faculty of Toxicology Executive Committee, Texas A&M University (1990-93).

Texas Governor's Infrastructure Committee on Free Trade (1991).

Oklahoma Corporation Commission on Land Application of Oil Field Drilling Waste (1990-1991).

Texas Department of Health Ad Hoc Committee for Revising the Construction Standards for On-Site Sewage Facilities (1989-90).

EPA Hazardous Waste Center Review Panel (1988).

Kirk W. Brown

National Science Foundation, Environmental Engineering Div., Review Panel (1987-1995).
Texas Dept. of Health Septic Disposal Regulations Revision Panel (1987).
Advisory Panel to Chicot Aquifer Management Project (Louisiana). McNeese State University, LA (1987-1990).
ASA Editorial Committee "Reaction and Movement of Organic Chemicals in Soils" 1987.
Advisory Panel to U.S. Congressional Office of Technology Assessment (OTA) on An Assessment of the Effectiveness of the EPA in Identifying, Prioritizing and Cleaning Up Hazardous Waste Sites (1987-1995).
Organizing Committee for SSSA Workshop on Utilization, Treatment and Disposal of Waste on Land (1985).
Panel to Write Research Needs for Hazardous Wastes Treatment and Disposal for National Science Foundation. Drexel University, PA (1986).
EPA Technical Advisory Panel on the Adequacy of Ground Water Monitoring at Hazardous Waste Landfills (1985).
Panel to Write the Mutagenicity Sample Preparation Protocol for EPA (1984).
EPA Panel to Review the Acceptability of Landfill Disposal of Sewage Sludge (1984).
Office of Water Regulations and Standards Committee on Municipal Sludge Landfilling to Advise EPA on the Pollutants which should be Regulated for Various Disposal Options and the Methods or Procedures to be Used for Regulating such Pollutants (1984).
Advisory Panel to U.S. Congressional Office of Technology Assessment (OTA) to Determine the Effectiveness of Current Programs to Clean Up Uncontrolled Hazardous Waste Sites (1983-84).
EPA Science Review Panel for Environmental Engineering Research Grants (1982-1998).
United States Environmental Protection Agency Land Treatment Task Force (1981-1985).

Significant Reports Resulting from Committee Assignments

National Research Council. 1999. "Groundwater & Soil Cleanup, Improving Management of Persistent Contaminants".
National Research Council. 1994. "Ranking Hazardous Waste Sites".
Office of Technology Assessment, Congress of the United States of America. 1989. "Coming Clean, Superfund Problems Can be Solved".
Office of Technology Assessment, Congress of the United States of America. 1985. "Superfund Strategy".

University Committees

Texas A&M University Environmental Safety and Health Committee (1987-90).
Council of Principal Investigators, Texas A&M University (1986-1990).
Texas Agricultural Experiment Station 5-Year Planning Board.
Texas A&M University Faculty Forum (1979-82).
Texas Agricultural Experiment Station Grant Support Committee (1976-77).

Awards

Texas A&M University College of Agriculture Award for Excellence in Teaching (1995)
Texas A&M University System Award for Excellence in Graduate Teaching (1988)
ASA Environmental Quality Research Award (1988)
Fellow - Soil Science Society of America (1987)
Fellow - American Society of Agronomy (1986)
Distinguished Alumni Award, Delaware Valley College (1986)
Superior Achievement Award for Research, Soil and Crop Sciences Department, Texas A&M University (1986)
Pollution Engineering Magazine Award of Merit for Outstanding Editorial Contribution "The Case for Aboveground Landfills" (1984)

Books Authored

Hazardous Waste Land Treatment. 1983. Butterworth Publishers, 10 Tower Office Park, Woburn, MA 01801.
Reactions and Movement of Organic Chemicals in Soils. 1989. Sawhney, B. L. and K. W. Brown. SSSA/ASA Publishers, SSSA Special Publication No. 22, 494 pgs.

Professional Experience Outside the United States

Visiting Scientist at Center of Plant Physiological Research, Wageningen (1969-70).

Kirk W. Brown

Testimony Before Legislative Bodies

Texas House of Representatives - Environmental Affairs Committee, April 1987. Testified on the need for legislation to set up a waste management plan for the state.

Texas Governor's Taskforce on Oil Spills, February 1985. Testified on the fate of oil spill debris and disposal technology options.

Texas Governor's Taskforce on Hazardous Waste, November 1984. Testified on the effectiveness of landfills for disposal technology.

Texas Governor's Taskforce on Hazardous Waste, June 1984. Testified on the impact of organic chemicals on the permeability of soils.

U.S. House of Representatives - Science and Technology Committee, November 1982. Testified on the adequacy of EPA's liquid management system to protect groundwater at hazardous waste landfills.

Texas House of Representatives - Environmental Affairs Committee, April, 1982. Testified on the impact of organic chemicals on the permeability of clay liners.

Consulting

Founder and President of K. W. Brown and Assoc., Inc., (1980- 1991). Chief technical consultant to K. W. Brown Environmental Services (1991-1999), SI Group, LP (2000-2009), TTI Environmental Consultants (2009-2011), and as an independent consultant (2011-Present). Past consulting activities have included assignments with Dupont, Alcoa, General Motors Corporation, Minnesota Mining & Manufacturing, WR Grace, Owens Corning, Union Pacific Railroad, Chevron, Shell, Exxon, Texaco, Arco, Sunoco, El Paso Products, New York Attorney General's Office, Illinois Attorney General's Office, Minnesota Attorney General's Office, Minnesota Pollution Control Administration, U.S. EPA, U.S. Army Corps of Engineers, and U.S. Dept. of Justice.

Consulting activities have included consultations on the cleanup and disposal of wastes, the impacts of hazardous waste on the environment, assessment and remediation of exploration and production releases, the design of hazardous waste landfills and solid waste management units, and the fate and mobility of chemicals in the soil, groundwater, and air, as well as, providing expert testimony at permit hearings, mediation hearings, civil suits, and before legislative bodies on these topics. My expertise has been utilized for site assessments, data review and interpretation, the study of fate and transport of contaminants in the environment, waste management activities, historical oilfield and landfill operations, and other related environmental matters. I have reviewed and interpreted a large quantity of analytical data for air, soils and groundwater, as well as boring logs, field logs, technical reports, and other information related to the environmental conditions of a site. I have prepared and reviewed remedial action plans for hundreds of sites including sites contaminated with metals, organic chemicals, pesticides, biological pathogens and petroleum production wastes. I have designed and implemented remedial actions at numerous hazardous waste sites under the auspices of both state and federal regulatory authorities.

As a consultant, I have evaluated or analyzed hazardous substances in industrial waste streams from numerous industries including the lumber and paper industries, the printing industry, chemical manufacturing industry, petroleum exploration, production, processing and refining industries, plastics and rubber products industry, leather tanning and finishing, metal smelting and finishing, electric utilities, and the electronic components manufacturing industry, among others. I have conducted extensive research on the hazardous substances contained in municipal and household waste with a special emphasis on the fate and mobility of these constituents in the environment after disposal in municipal solid waste landfills. I have provided evaluations and assessments for numerous waste disposal and landfill sites including the following: Love Canal Landfill, Lowrey Landfill, Helen Kramer Landfill, Junker Landfill, Lemberger Landfill, Laurel Park Landfill, Beacon Heights Landfill, RCA-Buzby Landfill, Valleycrest Landfill, Boarhead Farms, Pennsauken Landfill, Lone Pine Landfill, Ft. Bend County Landfill, and Sinton Landfill, among others. In addition, I have also provided expert testimony for civil actions involving the following Superfund sites: Hardage Criner, Montana Pole, National Gypsum, Brio/Dixie Oil Processors, Sikes' Pits, Turtle Bayou, Metal Bank of America, Tar Creek, and the West Dallas Lead Site.

Guest Lectures

Dewatering of confined dredge spoil areas. In: *Second International Symposium on Dredging Technology*. BHRA Fluid Engineering, Cranfield, Bedford, England. Paper G1:1-24. (1977).

Kirk W. Brown

Revegetation of drastically disturbed lands. Texas A&M Lignite Symposium. April 17-18. (1980).

Impact of surface mining on water quality. Texas A&M Lignite Symposium, April 17-18, 1980.

Factors influencing the biodegradation of API separator sludges applied to soils. Presented at the Seventh Annual Research Symposium at Philadelphia, PA. March 16-18, 1981.

Land treatment of industrial hazardous wastes. Presented at a Symposium and Workshop on Hazardous Waste Management. Louisiana State University, November 16-20, 1981.

Effect of organic chemicals on clay liner permeability. A review of the literature. Presented at the Sixth Annual Research Symposium at Philadelphia, PA. 1981.

Land disposal of oily wastes. Brest, France. August, 1982.

Influence of organic liquids on the permeability of clay soils. Harwell, Great Britain. July, 1982.

Use of sewage effluent for irrigation. Adelaide, Australia. June, 1982.

Influence of organic liquids on the integrity of liners to pits, ponds, lagoons and landfills. Waste Water Analysts Assoc., Houston, TX. November, 1982

Reclamation of strip mined lands. Sierra Club, Austin, TX. November, 1982.

Waste disposal on range land. Range Science Department, Texas A&M University. College Station, TX. November, 1982.

The politics of hazardous waste disposal. Political Science Department, Texas A&M University. College Station, TX. October, 1982.

The treatment and disposal of hazardous, industrial and toxic waste. American Society of Civil Engineers, Austin, TX. September, 1982.

Effect of organic fluids on the permeability of clay soil liners. Presented at the Eighth Annual Research Symposium at Ft. Mitchell, Ky. March 8-10, 1982.

The fate of mutagenic compounds when hazardous wastes are land treated. Presented at the Eighth Annual Research Symposium at Ft. Mitchell, Ky. March 8-10, 1982.

The influence of chemicals on the permeability of clay liners. Presented at Hazardous Waste Conference, Chicago, Ill. June 28-29, 1983.

Cleanup of chemicals spilled on soils. Presented at the Texas Agricultural Extension Service Conference, Houston, Texas. June 23, 1983.

The reclamation of strip mined land. Presented at Texas Environmental Coalition in Austin, Texas Jan. 22, 1983.

The influence of selected organic liquids on the permeability of clay liners. In: D. W. Shultz (ed). Land Disposal, Incineration, and Treatment of Hazardous Waste. Proceedings of the 9th Annual Research Symposium at Ft. Mitchell, Ky. May 2-4, 1983.

Panel on land treatment of sewage sludge. EPA Workshop on Sewage Disposal, Denver, CO. March 1983.

Land disposal of hazardous liquids. Waste Management Conference, Houston, TX. February 1983.

Alternatives to land disposal of waste. Dept. of Agriculture Seminar, University of Houston. Sept. 10, 1984.

How to write a successful research proposal. Soil Science Graduate Seminar, Soil & Crop Sciences Dept, Texas A&M University, Sept. 19, 1984.

The advantages of above ground disposal. Waste Tech Conference, Houston, October 30, 1984.

Potential groundwater implications of surface storage of toxic substances. Groundwater Symposium, Gunter Hotel, San Antonio, Texas. October 30, 1984.

Clean up of spills; Alternative disposal methods. Geotechnical Engineering for Waste Disposal Symposium, University of Texas, Austin. November 2, 1984.

The properties of soils and containment of waste. Environmental Engineering Seminar, Civil Engineering Dept., Texas A&M University, College Station, 1984.

Carbon dioxide flux at the earth's surface. Texas A&M University, College Station, February 1984.

Above ground landfills in hazardous waste management schemes. National Conference and Exhibition on Hazardous Waste and Environmental Emergencies. Houston, Texas, March 1984.

Fate of mutagens applied to soil. Environmental Toxicology and Pharmacology Seminar. Texas A&M University, College Station, March, 1984.

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Influence of organic liquids on the hydraulic conductivity of soils. University of Cambridge, United Kingdom. September 9-11, 1987.

Design and construction of the growth media in golf greens, Montreal, Canada, 1987.

Groundwater pollution problems associated with fertilizers, pesticides, and leaking storage tanks. Pro Show, Dallas, November 1987.

Mutagenic testing of hazardous waste sites. Southwest Environmental Mutagenic Society, Houston, November 1987.

The use of lime for waste disposal and treatment of hazardous waste contaminated sites. National Lime Association, Phoenix, AZ, April 1987.

A soil scientist as an expert witness - Presented to the Soil Survey and Land Resource Workshop. February 19, 1988.

Guest lecture to Rio Brazos Audubon Society - May 2, 1988.

Presentation to the Texas Association of Milk, Food and Environmental Sanitarians, June, 1988.

Guest lecture to Range Science Ecology and Land Use class. Dept. of Range Science, Texas A&M University, Nov. 18, 1988.

Hazardous Waste: A general overview. Agricultural Engineering, Environmental and Water Resources Engineering and Texas Water Resources Institute Seminar, Texas A&M University, College Station, TX. January 1989.

The need for community recycling. Environmental Organization, Civil Engineering Dept., Texas A&M University, College Station, TX. February 1989.

Superfund sites: The problems and the solutions. Industrial Hygiene Seminar, Texas A&M University, College Station, TX. February 1989.

Hazardous waste disposal on the Gulf Coast Texas. Texas ASA Annual Meeting. Galveston, Galveston County, Texas, February 1989.

New technologies for liners - Presented at the Conference on Prevention and Treatment of Groundwater and Soil Contamination in Petroleum Exploration and Production. Calgary, Alberta, Canada, May 9-12, 1989.

Guest Lecture to Range Science Ecology and Land Use Class: Dept. of Range Science, Texas A&M University, College Station, TX. Oct. 4, 1989.

Ongoing and future research in the geowaste area. Presented to the Geo Waste Group Meeting, Civil Engineering Dept. Texas A&M University, Nov. 1, 1989.

Waste disposal: where do we go from here? Presented to the MSC Great Issues: Environmental Symposia. Texas A&M University, College Station. Nov. 7, 1989.

Innovative technologies from the 1990s in environmental matters. Presentation to South Texas College of Law Environmental Law Symposium, January 17, 1990.

Waste disposal, past, present, and future. Presented at the seminar entitled "Disposing of Hazardous Materials". MSC, Texas A&M University, College Station, TX January 1990.

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Municipal waste disposal - where do we go from here. Presentation to Texas Environmental Action Coalition, Texas A&M University, College Station, TX. Sept. 5, 1990.

Presentation to the Texas Section of American Society of Agricultural Engineers, College Station, TX. October 11, 1990.

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- Presentation on golf green construction at Canadian Golf Superintendents Association Conference, Montreal, Canada. Dec. 11, 1990.
- Environmental Soil Science and Technology. Presentation to the 1991 Texas Agric. Experiment Station Conference - Environmental Soil Science Session, College Station, TX. January 1991.
- Movement of pesticides to groundwater. Presentation to the Texas Association of Agricultural Consultants. Austin, Texas, January 21, 1991.
- Movement of pesticides to groundwater. Presentation to the Texas Agricultural Extension Service Conference for Producers, Austin, TX, January 25, 1991.
- Pesticide rinsate disposal options. Presentation to the Research Center Administrators Society meeting, Dallas, Texas February 3-5, 1991.
- Movement of pesticides to groundwater. Presentation to the Texas Agricultural Extension Service Conference for Grounds Keepers. Round Rock, Texas, February 21, 1991.
- Liners for Hazardous Waste Sites. Presented at the Hazardous Waste Management Division's Lecture Series. U.S. Environmental Protection Agency, Region 6, 1445 Ross Ave., Suite 1200, Dallas, TX. 1991.
- Decontamination of polluted soils. Presented at the Second International Conference on the Biogeochemistry of Trace Elements, Taipei, Taiwan, Republic of China. Sept. 5-10, 1993.
- Using plants to reclaim contaminated sites. Crop Science Seminar. Soil & Crop Sciences Dept., Texas A&M University, College Station, TX, October 24, 1994.
- Vadose zone modeling of the fate and movement of volatile contaminants, Geological Society of America, South-central Section Conference, Austin, TX, March 12, 1996.
- Banning of liquid wastes from landfills - development of the technical data and the regulations, South Texas Environmental Conference, Corpus Christi, TX, March 29, 1996.
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- "Root distribution of bermudagrass grown on reclaimed lignite spoil." 1980-1981. Funded by the Center for Energy and Mineral Research for \$12,590. Final Report submitted August, 1981.
- "A residual evaluation of the influence of chemicals on the permeability of soil clays." 1979-1980. Funded by the Environmental Protection Agency for \$91,783. Report submitted December, 1981.
- "Investigate the influence of organic matter quality and placement on the establishment of grass and the physical properties of golf green mixes." 1979-1981. Funded by the U. S. Golf Association, Green Section for \$10,177. Final Report submitted February, 1982.
- "Metal uptake by grasses grown on reclaimed lignite spoils." 1979-1980. Funded by the Center for Energy and Mineral Research for \$13,100.
- "Soil disposal of API pit wastes." 1977-1980. Funded by the Environmental Protection Agency for \$184,104. Final report submitted in 1981.
- "Evaluate subsurface landfarm contamination after long term use." 1980-1981. Funded by the American Petroleum Institute for \$98,530. Final Report published in 1983.
- "The use of bioassays to evaluate the environmental impact of land treatment of hazardous industrial wastes." 1980-1983. Funded by the Environmental Protection Agency for \$383,732. Final Report published in 1985.
- "A review and evaluation of the influence of chemicals on the permeability of soil clays." 1981. Funded by the Environmental Protection Agency for \$339,056. Final report published in 1983.
- "Quantify leak rates through holes in landfill liners" 1983-1985. Funded by Environmental Protection Agency for \$232,769. Final report submitted in 1986.
- "Efficiency of soil core and soil-pore liquid sampling systems". 1983-1985. Funded by Environmental Protection Agency for \$101,766. Final report submitted in 1986.
- "Completion of Field Investigation and an Evaluation of Mechanisms by which Organic Liquids Alter the Permeability of Clay Soils". 1984-1985. Funded by EPA for \$59,000. Final report submitted in 1986.
- "Mobility and Stability of Mutagenic Compounds in Municipal Sewage Sludge Amended Soil." 1984-1986. Funded by Environmental Protection Agency. for \$281,800.
- "Development of a Capillary Wick Unsaturated Zone Pore Water Sampler." 1985-1986. Funded by Environmental Protection Agency for \$236,353.
- "Evaluation of the Thickness of Clay Liners Required to Meet RCRA Requirements". Funded by Environmental Protection Agency. 1987-1989. First year funding \$122,184.
- "Development of a Pesticide Rinse Water Digester". 1986-88. Funded by Texas Water Resource Institute for \$58,000.
- "Determination of the optimum furrow dike size to minimize rainfall runoff". 1985. Funded by Texas Water Resource Institute for \$17,500.
- "In situ vapor extraction of volatile contaminants at Superfund sites" 1987-88. Funded by Texas Water Resource Institute for \$40,000.
- "Development of a comprehensive testing protocol to assess the hazard of an uncontrolled hazardous waste site". 1987-89. Funded by Environmental Protection Agency for \$315,897.
- "Evaluation of the Bacterial Mutagenicity and Chemical Characteristics of Municipal Landfill Leachate". 1988-1990. Sponsored by Texas Water Resource Institute, \$47,500.
- "Bioassay Directed Chemical Characterization of Hazardous Organic Chemicals in Waste Contaminated Environments". Funded by National Institute of Health, 1989-1992, \$422,000.
- "The Use of Short-Term Bioassays to Assess the Human Health Hazard of Uncontrolled Hazardous Waste Sites". Funded by National Institute of Health, 1989-1992, \$607,000.
- "In Situ Bioremediation of Hazardous Substances in the Vadose Zone". Funded by USEPA, 1988-1991, \$341,164.
- "Effectiveness of Multiple Liner Systems for Hazardous Waste Containment Facilities". Funded by USEPA, 1988-1991, \$387,203.
- "The Use of In-Vessel Composting as a Treatment Technology for Hazardous Waste Minimization". Funded by Gulf Coast Hazardous Substance Research Center, June 1, 1991-April 30, 1994, \$107,471.
- "Site Assessment." Funded by NIH for \$334,650 for first 3 years. 1992-1996.
- "Demonstration of the Degradation of Toxic Organics in Composted Municipal Solid Waste." Funded by Texas Water Commission for \$135,000 for two years, 1992-1994.
- "A Preliminary Demonstration of the Use of In-Vessel Composting for Degradation of Waste Propellants." Sponsored by Day & Zimmermann, Inc. 1993. Funds amounted to \$18,138.

Kirk W. Brown

“Water Use Efficiency and Wetting Patterns Associated with Directed Subsurface Irrigation.” Sponsored by Texas-Israel Exchange Program through the Texas Department of agriculture 1995-1996 Funds amount to \$27,770.

APPENDIX 2

Comprehensive Listing of Testimony by K. W. Brown

	TRIAL TESTIMONY	DATE
25	Cause No. 27-CV-08-1912; <i>State of Minnesota, Plaintiff, v. Associated Medical Assurance Limited, et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE, Oak Grove, and East Bethel Landfills and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff.	10/18/10 10/26/10
24	File No. 62-C7-05-012469; <i>State of Minnesota, Plaintiff, v. Evanston Insurance Co., et al., Defendants</i> in the District Court of Minnesota, Second Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE Landfill and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff.	10/26/09
23	Civil Action No. 02-CV-3830; <i>Agere Systems, Inc., et al., Plaintiffs, vs. Advanced Environmental Technology Corporation, et al., Defendant</i> , in the United States District Court for the Eastern District of Pennsylvania. This case involved the alleged disposal of hazardous wastes at the Boarhead Farms Superfund Site in Bucks County, Pennsylvania. Retained by Handy & Harman Tube Co., Defendant	7/1/08
22	Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I .DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved the contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Retained by the Plaintiffs.	9/19-20/07 10/11-12/07
21	Case No. 03-CV-498-CVE-PJC; <i>Jimmy Dale Palmer, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Retained by the Plaintiffs.	7/30/07
20	Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I .DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved the contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Retained by the Plaintiffs.	5/1/06
19	Civil Action No. 95-CV-6400L, <i>Seneca Meadows, Plaintiff vs. ECI Liquidating, et al., Defendants</i> in the United States District Court, Western District of New York. This case involved claims against defendants concerning the disposal of hazardous substances in the Tantalo Landfill, Seneca Falls, New York. Retained by the Plaintiff.	6/21/05 to 6/23/05

Comprehensive Listing of Testimony by K. W. Brown

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| 18 | Civil Action No. 01:01-CV-890; <i>Lyondell Chemical Company, et al., Plaintiffs v. Albemarle Corporation, et al., Defendants</i> in the United States District Court for the Eastern District Of Texas, Beaumont Division. This case involved the disposal of waste containing hazardous substances and groundwater contamination at the Turtle Bayou Superfund in Liberty County, Texas. Retained by ExxonMobil, Defendant. | 4/18/05 |
| 17 | Cause No. 03-001121-CV; <i>Joseph Paul Horlen, et al., Plaintiffs, v. Robert S. Smith and Robo Investments, Inc., Defendants</i> in the District Court of Brazos County, Texas, 361st Judicial District. Case involved the subsurface loss of water from a man-made lake within a residential subdivision and the subsequent undercutting of riverbank along the Brazos River. Retained by the Plaintiffs. | 6/17/04 |
| 16 | Civil Action No. 98-CV-0838S (F); <i>W.R. Grace & Co.-Conn., Plaintiff, v. Zotos International, Inc., Defendant</i> in the United States District Court Western District of New York. Case involved the disposal of cosmetic waste at the Brewer Road Landfill in Waterloo County, and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 5/17/04 to
5/21/04 |
| 15 | Civil Action No. 95-2097 <i>Interfaith Community Organization, et al., Plaintiffs v. Honeywell International, Inc. et al., Defendants</i> . In the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Plaintiffs. | 1/28/03 to
1/29/03 |
| 14 | Case No. 80-1589; <i>United States of America, Plaintiff, vs. City of Philadelphia, Plaintiff-Intervenor, vs. Union Corporation Metal Bank of America, et al., Defendants, vs. Consolidated Edison Company of New York, et al., Third Party Defendants</i> . In the United States District Court for the Eastern District of Pennsylvania. This case involved claims against the defendants concerning the release of PCBs from the Metal Bank/Cottman Avenue Site to the Delaware River. Retained by the Defendants. | 08/29/02 to
09/05/02 |
| 13 | Civil No. N-87-52 (PCD). <i>The B.F. Goodrich Company, et al., Plaintiffs v. Harold Murtha, et al., Defendants v. Risdon Corporation et al., Third Party Defendants</i> . In the United States District Court, District of Connecticut. Case involved characterization of hazardous substances in waste generated by industries, commercial establishments, and municipalities disposed at two landfills in Connecticut, Beacon Heights Landfills and Laurel Park Landfill, which were classified as Superfund sites. Retained by Plaintiffs Beacon Heights Coalition and Laurel Park Coalition. | 01/05/98 to
01/09/98 and
01/12/98 to
01/13/98 |

Comprehensive Listing of Testimony by K. W. Brown

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| 12 | Docket Nos. CV-96-0564091S and CV-96-0564092S; <i>Oxford Tire Supply, Inc., Plaintiff v. Commissioner of the Department of Revenue Services, Defendant</i> . In the Superior Court, Judicial District of Hartford/New Britain at Hartford, Connecticut. Case involved tax issues associated with handling of hazardous materials as defined by Connecticut tax regulation. Primary area of testimony was leaching of hazardous substances from rubber tire waste. Retained by Plaintiffs. | 12/18/97 |
| 11 | Civil Action No. 292CV00674(JBA); <i>The Companies for Fair Allocation Group v. Axil Corporation, et al.</i> In the United States District Court for the District of Connecticut. Case involved question of hazardous waste disposal by the Dynamics Corporation of America (Waring Division) at the Barkhamsted-New Hartford Landfill Superfund site in Barkhamsted, Connecticut. Retained by the Plaintiffs. | 6/13–14/96 |
| 10 | Civil Action No. 93-CV-0090-B; <i>KN Energy, Inc., et al., v. Sinclair Oil Corp., d/b/a/ Little America Refining Co.</i> United States District Court, District of Wyoming. Case involved study of hydrocarbon and metals groundwater plume, which had migrated from the area of a refinery and adjacent terminal to a nearby neighborhood in Wyoming. Work involved study of the origin of the plume. Retained by the Plaintiff. | 6/6/95 |
| 9 | Cause No. CA-94-CI-05270; <i>John Gibson Trustee v. Exxon Corporation</i> . District Court, 225th Judicial District, Bexar County, Texas. Suit involved claim by property owners adjacent to an old refinery for damages due to contaminant migration onto their property from previous waste disposal operations at the closed refinery. Retained by the Defendant. | 2/17/95
2/21/95 |
| 8 | Docket No. N-87-52 (PCD), All Cases; <i>The B.F. Goodrich Company, et al., Plaintiffs v. Harold Murtha, et al., Defendants v. Risdon Corporation et al., Third Party Defendants</i> . United States District Court for the District of Connecticut. Suit concerning the hazardous nature of waste disposed at the Beacon Heights Landfill Superfund site. Retained by the Plaintiff. | 12/15–19/94 |
| 7 | Case No. 390-37213-SAF-11 and Case No. 390-37214-SAF-11, jointly administered Chapter 11; In re: <i>National Gypsum Company v. Aancor Holdings, Inc.</i> Suit involved groundwater contamination associated with Rolling Knolls Landfill. Retained by the U.S.A. | 5/18–20/92
6/1/92
6/24/92 |
| 6 | Case No. CIV-86-1401-P; <i>The United States of America v. Royal N. Hardage, et al., Advance Chemical Company, et al., v. ABCO, et al.</i> United States District Court for the Western District of Oklahoma. Enforcement of ROD concerning remediation of hazardous waste site. Retained by the Plaintiff. | 10/27/89 |
| 5 | <i>The United States of America, the State of New York, and UDC-Love Canal, Inc., v. Occidental Chemical Corp., Occidental Chemical Holding Corp., Occidental Petroleum Investment Co., Occidental Petroleum Corp., City of Niagara Falls, Niagara County Health Department, and the Board of Education of the City of Niagara Falls, Love Canal Landfill Superfund site</i> . United States District Court for the Western District of New York. Testimony on the mobility of organic pollutants through clay. Retained by the Plaintiff. | 3/20–21/89 |

Comprehensive Listing of Testimony by K. W. Brown

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| 4 | Case No. 85-17210-C; <i>James L. Slaughter, et al., v. Farm and Home Savings, et al.</i> , and Case No. 86-48352; <i>Mike Fenimore, et al., v. Farm and Home Savings</i> . 151st Judicial District Court of Harris County, Texas. Case involved issues of land development and exposure to petrochemical wastes by residents in neighborhoods adjacent to the Brio/Dixie Oil Processors Superfund sites (Houston, Texas). Retained by the Plaintiffs. | 12/6/89 |
| 3 | <i>Barbara Lips v. Jacobs Oil Company</i> . Federal District Court in Corpus Christi, Texas. Testimony on the damages and reclamation results from oilfield drilling mud wastes. Retained by the Plaintiff. | 1985 |
| 2 | <i>Blaire v. Palmer Oil</i> . Texas District Court. Suit over the destruction of land resulting from oil exploration activities. Retained by the Plaintiff. | |
| 1 | <i>Jarvis L. Smoak v. Arkansas Louisiana Gas Company</i> . In the Texas District Court of Marshall, Texas. Contamination of soil and loss of trees due to oil spill. Retained by the Defendant. | |

Comprehensive Listing of Testimony by K. W. Brown

DEPOSITION TESTIMONY

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| 86 | Cause No. 22052-10563, consolidated with Cause No. 22052-09367 and Cause No. 22052-09366; <i>Corby Baker, et al., Plaintiffs, v. Fluor Corporation, et al., Defendants</i> in the Missouri Circuit Court, Twenty-Second Judicial Court, State of Missouri. Case involved personal injury claims related to exposure to lead mining wastes. Retained by the Plaintiffs. | 4/23/14 |
| 85 | Case No. 1:09-CV-0228, DNH-DRH, consolidated with Case No. 1:11-CV-006; <i>Village of Stillwater, et al., Plaintiffs, v. General Electric Co., Defendants</i> in the United States District Court, Northern District of New York. Case involved contamination of the Hudson River with polychlorinated biphenyls. Retained by the Plaintiffs. | 4/16/14 |
| 84 | Cause No. 052-09605; <i>Charles A. Burnia, et al., Plaintiffs, v. Fluor Corporation, et al., Defendants</i> in the Circuit Court of St. Louis, Twenty-Second Judicial Circuit, State of Missouri. Case involved personal injury claims related to exposure to lead mining wastes. Retained by the Plaintiffs. | 8/19/13 |
| 83 | Cause No. 3:08-CV-00229; <i>Natural Resource Defense Council, et al., Plaintiffs, v. County of Dickson, Tennessee, et al., Defendants</i> in the United States District Court for the Middle District of Tennessee. Case involved the contamination of groundwater by contaminants disposed of in the Dickson County Landfill. | 9/22/10 |
| 82 | Cause No. 08-CV-0161; <i>Mary Ellen Hall, et al., Plaintiffs, v. Radiator Specialty Co., et al., Defendants</i> in the District Court of Galveston County, Texas, 212th Judicial District. Case involved the exposure to benzene from historical emissions from the Union Carbide Chemical Co. facility in Texas City, Texas. Retained by the Plaintiffs. | 12/15/09 |
| 81 | Cause No. 27-CV-08-1912; <i>State of Minnesota, Plaintiff, v. Associated Medical Assurance Limited, et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE, Oak Grove, and East Bethel Landfills and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 10/28/09 |
| 80 | Cause No. E-178,440; <i>Darla J. Lemaire, Individually and as the Independent Executrix of the Estate of Michael Lemaire, Deceased; and Logan Lemaire, Plaintiffs, vs. Berryman Products, Inc., et al., Defendants.</i> In the District Court of Jefferson County, Texas 172nd Judicial District. Retained by the Plaintiffs. | 9/17/09 |
| 79 | Cause No. GN-401028; <i>Sotero Carrillo, Jose Carmen Carrillo, Miguel Cruz, and Greg Fuller Plaintiffs v. Reichold, Inc., Defendants, Zurich American Insurance Co., Intervenor.</i> In the District Court of Travis County, Texas 98th Judicial District. Retained by the Plaintiffs. | 2/21/08 |

Comprehensive Listing of Testimony by K. W. Brown

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| 78 | File No. 62-C7-05-012469; <i>State of Minnesota, Plaintiff, v. Evanston Insurance Co., et al., Defendants</i> in the District Court of Minnesota, Second Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE Landfill and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 11/7/07 |
| 77 | Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I .DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved the contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Retained by the Plaintiffs. | 4/30-5/1/07 |
| 76 | Civil Action No. 02-CV-3830; <i>Agere Systems, Inc., et al., Plaintiffs, vs. Advanced Environmental Technology Corporation, et al., Defendant</i> , in the United States District Court for the Eastern District of Pennsylvania. This case involved the alleged disposal of hazardous wastes at the Boarhead Farms Superfund Site in Bucks County, Pennsylvania. Retained by Handy & Harman Tube Co., Defendant | 12/1/06 and
1/29/07 |
| 75 | Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I .DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved the contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Retained by the Plaintiffs. | 1/25-26/06
and
2/10/06 |
| 74 | Cause No. 02-4162 JPG; <i>Chevron Environmental Management Company, Chevron Environmental Services Company, and Texaco Inc., Plaintiffs, v. Indian Refining I Limited Partnership (f/k/a Indian Refining Limited Partnership), et al, Defendants</i> in the United States District Court for the Southern District of Illinois. Case involved remediation and allocation of costs for the former Indian refinery in Lawrenceville, IL. Retained by the Plaintiff. | 8/3/05 |
| 73 | Cause No. 02-4162 JPG; <i>Chevron Environmental Management Company, Chevron Environmental Services Company, and Texaco Inc., Plaintiffs, v. Indian Refining I Limited Partnership (f/k/a Indian Refining Limited Partnership), et al, Defendants</i> in the United States District Court for the Southern District of Illinois. Case involved remediation and allocation of costs for the former Indian refinery in Lawrenceville, IL. Retained by the Plaintiff. | 6/2/05 |
| 72 | Civil Action No. 95-CV-6400L, <i>Seneca Meadows, Plaintiff vs. ECI Liquidating, et al., Defendants</i> in the United States District Court, Western District of New York. This case involved claims against defendants concerning the disposal of hazardous substances in the Tantalio Landfill, Seneca Falls, New York. Retained by the Plaintiff. | 5/27/05 |
| 71 | File No. C7-0310992; <i>State of Minnesota, Plaintiff, v. American Hardware Mutual Insurance Company, Defendants</i> in the District Court of Minnesota, Tenth Judicial District. Case involved the disposal of hazardous substances with industrial waste at Oak Grove and East Bethel Landfills and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 4/21/05 |

Comprehensive Listing of Testimony by K. W. Brown

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| 70 | Case No. 03-CV-327 (H) M; <i>Betty Jean Cole, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Retained by the Plaintiffs. | 12/7/04 |
| 69 | Case No. 03-CV-327 (H) M; <i>Betty Jean Cole, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Retained by the Plaintiffs. | 10/22/04 |
| 68 | Civil Action No. 01:01-CV-890; <i>Lyondell Chemical Company, et al., Plaintiffs v. Albemarle Corporation, et al., Defendants</i> in the United States District Court for the Eastern District Of Texas, Beaumont Division. This case involved the disposal of waste containing hazardous substances and groundwater contamination at the Turtle Bayou Superfund in Liberty County, Texas. Retained by ExxonMobil, Defendant. | 7/8/04 |
| 67 | Court File No. CT 02-016741; <i>State of Minnesota, by its Attorney General, Mike Hatch, Plaintiff, v. American Hardware Mutual Insurance Co., et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE and St. Augusta Landfills and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 2/24/04 |
| 66 | Civil Action No. 98-CV-0838S (F); <i>W.R. Grace & Co.-Conn., Plaintiff, V. Zotos International, Inc., Defendant</i> in the United States District Court Western District Of New York. Case involved the disposal of cosmetic waste at the Brewer Road Landfill in Waterloo County, and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 2/12/04 |
| 65 | Case No. 00-01917 MRP (MANx); <i>Shell Chemical Co., et al., Plaintiffs, vs. The County of Los Angeles, et al., Defendants</i> in the United States District Court for the Central District of California; Case No. 00-1938 MRP (MANx); <i>Phillips Petroleum Co., et al., Plaintiffs, vs. The County of Los Angeles, et al., Defendants</i> in the United States District Court for the Central District of California; and Case No. 00-6420 MRP (MANx); <i>Atlantic Richfield Co., et al., Plaintiffs, vs. BKK Corporation, et al., Defendants</i> in the United States District Court for the Central District of California. These combined cases involved hazardous substances associated with municipal solid waste being deposited at Cal Compact Landfill. Retained by the Plaintiffs. | 3/7/03 |

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| 64 | Court File No. MC00-001819; <i>State of Minnesota, by its Attorney General, Mike Hatch, Plaintiff, v. Employers Insurance of Wausau, A Mutual Company, et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the disposal of hazardous substances with industrial waste at the Oak Grove Landfill and East Bethel Landfill in Anoka County, and the contamination of groundwater as a result of these disposal practices. For the Plaintiff. | 12/17/02 |
| 63 | Case No. 80-1589; <i>United States of America, Plaintiff, vs. City of Philadelphia, Plaintiff-Intervenor, vs. Union Corporation Metal Bank of America, et al., Defendants, vs. Consolidated Edison Company of New York, et al., Third Party Defendants</i> in the United States District Court for the Eastern District of Pennsylvania. This case involved claims against the defendants concerning the release of PCBs from the Metal Bank/Cottman Avenue Site to the Delaware River. Retained by the Defendants. | 5/28/02 |
| 62 | Civil Action No. H-98-0408 <i>United States of America, et al. vs. Atlantic Richfield Company, et al vs. Ashland, Inc., et al.</i> , in the United States District Court Southern District of Texas Houston Division. This case involved claims against defendants concerning waste disposal at Sikes Pit. Retained by ExxonMobil, Defendant. | 6/26/01 -
6/27/01 |
| 61 | Civil Action No. 95-2097 <i>Interfaith Community Organization, et al. v. Honeywell International, Inc. et al.</i> , in the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 6/20/01 |
| 60 | Civil Action No. 5:97CV00894; <i>United States of America v. Chrysler Corp. et al.</i> , in the in the United States District Court for the Northern District of Ohio. This case involved claims against the defendants concerning disposal of hazardous substances in the Krejci Dump Site. Retained by Minnesota Mining & Manufacturing Company, Defendant. | 06/07/01 |
| 59 | Civil Action No. G-96-493; <i>Janie Rivas, et al., vs. Monsanto Company, et al.</i> , in the United States District Court for the Southern district of Texas Galveston Division. This case involves modeling of emissions and air dispersion of hazardous substances emanating from petrochemical wastes processed and disposed of at the Brio/Dixie Oil Processors Superfund Sites in Houston, Texas and related exposures to children in adjacent neighborhoods. Retained by the Plaintiffs. | 03/16/01 |
| 58 | Case No. CIV-91-2067-PHX-PGR <i>Maurice McIntire, et al. vs. Motorola, Inc.</i> , in the United States District Court in and for the District of Arizona. This case involved a lawsuit by certain Phoenix residents concerning the VOC groundwater and ambient air plumes perpetrated by Motorola and the subsequent exposure of the litigants to the hazardous substances. This deposition involved waste management and waste handling. | 5/31/00 -
6/2/00 |

Comprehensive Listing of Testimony by K. W. Brown

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| 57 | Case No. 98-CV0726 <i>Connie Lolley Klostermann, et al vs. Ultramar Diamond Shamrock Corporation, et al.</i> , in the 212th Judicial District Court, Galveston County, Texas. This case involved a lawsuit by the landowner concerning property damage resulting from leaking storage tank contamination. Retained by Diamond Shamrock, Defendant. | 5/26/00 |
| 56 | Case No. 97-6222 MRP (MANx) <i>Commercial Realty Projects, Inc., and L.A. Metromall LLC, vs. Atlantic Richfield Company, et al.</i> , in the United States District Court in for the Central District of California. This case involved hazardous substances associated with municipal solid waste being deposited at Cal Compact Landfill. Retained by the Defendants. | 3/6/00 |
| 55 | Case No. 93-055257 <i>Ralph L. Nichols, Jr., et al. vs. Monsanto Company, et al.</i> , in the 125th Judicial District Court of Harris County, Texas. This case involved contaminant migration via air, surface water, and groundwater media from the Dixie Oil Processors Superfund Site to adjacent athletic field. Retained by the Plaintiffs. | 1/28/00 |
| 54 | Case No. CIV-91-2067-PHX-PGR <i>Maurice McIntire, et al. vs. Motorola, Inc.</i> , in the United States District Court in and for the District of Arizona. This case involved a lawsuit by certain Phoenix residents concerning the VOC groundwater and ambient air plumes perpetrated by Motorola and the subsequent exposure of the litigants to the hazardous substances. | 12/6/99 -
12/8/99 |
| 53 | Case No. 89-4340 (JBS) <i>United States vs. Helen Kramer et al.</i> , In the United States District Court for the District of New Jersey. This case involved hazardous substance deposition into Kramer Landfill (Superfund Site) by defendants. Retained by lawyers for the plaintiff. | 10/6/99 |
| 52 | Case No. 92-034865; <i>James E. Barnet, Sr., et al., vs. Monsanto Company, et al.</i> In the District Court of Harris County, Texas, 80th District Court. This case involved former workers' claims concerning exposure to hazardous chemicals. Retained by the Plaintiffs. | 4/28/99 |
| 51 | Case No. 95C-1065; <i>Lemberger Sites Remediation Group, Plaintiff, v. A.M. Richter & Sons Co., et al., and White Consolidated Industries, Inc., Defendants</i> ; In the United States District Court Eastern District of Wisconsin. This case involved hazardous constituents in waste going to Lemberger Landfill (Superfund Site). Retained by the Plaintiff. | 3/12/99 |
| 50 | Case No. 98-459-A; <i>Lewie Byers; vs. Texaco Exploration and Production Inc. and Texaco Inc.</i> In the District Court of Smith County, Texas 7th Judicial District. This case involves claims of contamination due to releases of crude oil and fluids from oil field production activities. Retained by the Defendant. | 1/22/99 |

Comprehensive Listing of Testimony by K. W. Brown

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| 49 | C.A. No. G-96-493; <i>Janie Rivas, et al., vs. Monsanto Company, et al.; Defendant.</i> In the United States District Court for the Southern district of Texas Galveston Division. This case involves modeling of emissions and air dispersion of hazardous substances emanating from petrochemical wastes processed and disposed of at the Brio/Dixie Oil Processors Superfund Sites in Houston, Texas and related exposures to children in adjacent neighborhoods. Retained by the Plaintiffs. | 12/30/98 |
| 48 | Cause No. 95-044151; <i>Rebecca Johnson, et al., and On Behalf of All Those Similarly Situated, Plaintiffs, vs. Exxon Company, U.S.A., et al., Defendant.</i> In the 61st Judicial District Court, Harris County, Texas. Case involved claims of contamination to a neighborhood near Carver Elementary school that was built over covered pits where oil began to surface in 1995. Retained by the Defendant. | 7/24/98 |
| 47 | Case 75524; <i>Clarice Friloux, et al., Plaintiffs, vs. Campbell Wells Corporation, et al., Defendants.</i> In the 17th Judicial District Court, Parish of Lafourche, Louisiana. Case involved claims of offsite air migration of hazardous substances purportedly associated with a non-hazardous oilfield waste disposal facility. Retained by the Defendants. | 5/21/98 |
| 46 | Case No. 93-004644; <i>Mike Adalis, et. al., Plaintiffs, vs. Neighborhood Development Corporation, et al, Defendants.</i> In the District Court of Harris County, Texas, 269th Judicial District. Case involved claims of groundwater and related drinking water well contamination attributable to 50 year old oil well blowout. Retained by the defendant Exxon. | 2/13/98 and
7/8/98 |
| 45 | Civil Action No. 95-514875-CE; <i>Grand Trunk Western Railroad, Incorporated and Star Oil Company, Inc., Plaintiffs vs. Union Oil Company of California, Wynkoop Oil Company, Clement Wynkoop, Secory Oil Company and Lewis Secory, Defendants and Union Oil Company and Clement Wynkoop, Counter-Plaintiffs/Cross-Plaintiffs vs. Secory Oil Company and Lewis Secory.</i> Case involved modeling of the transport and fate of hydrocarbon fuels, which leaked from storage, tanks at a terminal and allegedly migrated onto adjoining properties of plaintiffs. Retained by the Defendants. | 5/22/97 and
6/2/97 to
6/3/97 |
| 44 | Case No. 93-03044, <i>James W. Allen, III and Victoria Ann Allen, et al. Monsanto Company, et. al.,</i> and Case No. 93-14478, <i>Christopher Irwin and Jon H. Moore, et al.,</i> in the District Court of Harris County, Texas, 113th Judicial District. Case involved contaminant migration via air, surface water and groundwater media from the Dixie Oil Processors Superfund Site to adjacent children's athletic field. Retained by the Plaintiffs. | 5/13/97 |
| 43 | Civil Action 96C19S; <i>Junker Landfill v. United Waste.</i> In the U.S. District Court, Western District. Case involved study of hazardous substances in wastes generated by approximately 500 generators taken to Junker Landfill (Superfund Site). Retained by Plaintiffs. | 2/28/97 |

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| 42 | Cause No. A99,534; <i>Joann McKnight Lambert v. Melvin B. Etheredge, et al.</i> In the 70th District Court, Ector County, Texas. Case involved study of subsurface moisture condition and moisture migration through house slab. Retained by Plaintiff, Lambert. | 1/29/97 |
| 41 | Case No.: 2:92-CV-111; <i>Commercial Union Insurance Co., et. al., v. Cannelton Industries, Inc.</i> , In the United States District Court for the Western District of Michigan. Case involved claim against insurance company for environmental remediation cost recovery associated with chromium contamination of St. Marys River due to a fire at an old tannery plant. Retained by Defendant. | 9/5/96 |
| 40 | Civil Action No. BC015575; <i>Atlantic Richfield Company and ARCO Chemical Company v. Aetna Casualty and Surety Company of America, et. al.</i> ; Superior Court of the State of California for the County of Los Angeles. Case involved disputed claims for insurance coverage of environmental contamination at old refinery sites at Sand Springs, Oklahoma, and Prewitt, New Mexico. Retained by the Plaintiffs. | 4/9/96 -
4/10/96 |
| 39 | Civil Action No. 92-2-28065-5; <i>Aluminum Company of America and Northwest Alloys, Inc. v. Accident and Casualty Insurance Company, et al.</i> Superior Court of the State of Washington, In and For the County of King. Case involved disputed claims for insurance coverage of environmental contamination at three aluminum-manufacturing facilities across the country, and entailed extensive interpretation of historical aerial photographs of the facilities. Retained by the Plaintiffs. | 2/5/96 |
| 38 | Civil Action No. 87-4263(JHR); <i>General Electric Company v. Buzby Brothers Materials Handling Company, et al.</i> United States District Court for the District of New Jersey. Case involved recovery from commercial and municipal transporters of wastes of the costs for remediation of groundwater contamination at the site of the RCA-Buzby Landfill (Superfund Site) near Voorhees, New Jersey. Retained by the Plaintiff. | 11/29/95 |
| 37 | Civil Action No. 85-17210-G; <i>David L. Smithson et al., v. Monsanto Company, et. al.</i> , District Courts, 11th Judicial District, Harris County, Texas; and Civil Action No. 93-045095; <i>Thuy Thi Diep, et al., v. Monsanto Company, et al.</i> ; District Court, 55th Judicial District, Harris County, Texas. These consolidated cases involved the Brio Superfund Site and exposure of adjacent residents to hazardous chemicals in an old waste disposal site through air, soil, groundwater, surface water and drinking water pathways. Retained by Plaintiffs. | 11/8/95 |
| 36 | Case No. 94-C-1025; <i>City and County of Denver et al., v. Alumet et al.</i> United States District Court for the District of Colorado. Case involving the Lowry Landfill Superfund site in Denver, Colorado, and the apportionment of remediation costs due to contamination from co-disposal of municipal and industrial wastes. Retained by the Defendants. | 8/17/95 |

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35	Cause No. 15,527; <i>Gary David Harding et al., v. Browning-Ferris Industries, Inc., et. al.</i> , District Court, 229th Judicial District, Duval County, Texas. Case involving personal injury and property damage from industrial waste migration from a landfill. Retained by the Plaintiffs.	6/22/95
34	Case No. 93-03674-CA; In Re: <i>Hipps Road Litigation</i> . Circuit Court of the Fourth Judicial Circuit In and For Duval County, Florida. Suit regarding contamination of drinking water wells from hazardous waste leaking from a landfill. Retained by the Plaintiffs.	5/26/95
33	Cause No. 94-1499-A; <i>Ardith Cavallo, et al., v. Star Enterprise, et al.</i> United States District Court for the Eastern District of Virginia; Alexandria Division. Retained by the Defendant.	5/5/95
32	Case No. CJ-92-3515-62; <i>N.C. Corff Partnership, Ltd., et al., v. Oxy USA, Inc.</i> Oklahoma County District Court. Retained by the Defendant.	4/26/95
31	Civil Action No. 93-CV-0090-B; <i>KN Energy, Inc. et al., v. Sinclair Oil Corporation, d/b/a/ Little America Refining Co.</i> United States District Court, District of Wyoming. Retained by the Plaintiff.	4/19/95
30	Cause No. CV-90-75-BU-PGH; <i>Atlantic Richfield Co. v. Torger L. Oaas et. al.</i> , United States District Court for the District of Montana, Butte Division. Retained by the Plaintiff.	11/7/94 11/11/94
29	Cause No. 92-032723; <i>Clear Creek Independent School District v. Farm & Home Savings Association, et. al.</i> , District Court 11th Judicial District, Harris County, Texas. Retained by the Plaintiffs.	10/5/94
28	Cause No. CW 93-39-BU-PGH; <i>Montana Resources, Inc. and Dennis R. Washington v. Atlantic Richfield Company</i> . United States District Court for the District of Montana, Butte Division. Retained by the Defendants.	9/9/94
27	Cause No. 31,692-S; <i>Frank J. Kramr, Individually and as Parents and next friends of Sarah Kramr, a minor, v. Eastern Pipeline Company</i> . District Court 329th Judicial District, Wharton County, Texas. Retained by the Plaintiffs.	9/7/94
26	Cause No. 85-17210-G; <i>Gary L. Abel, et al., and David L. & Angell R. Smithson v. Monsanto, et al.</i> District Court 151st Judicial District, Harris County. Suit concerning the Brio Superfund site. Retained by the Plaintiffs.	5/18/94
25	Case No. 92-CI-15104; <i>Lionel Laguna and wife, Celia Laguna v. Exxon Corporation United States of America</i> . District Court, 57th Judicial District, Bexar County, Texas. Retained by the Defendant.	12/10/93
24	Civil Action No. SA-92-CA-0616; <i>Jesse Sherrod, et al., v. U.S.A.</i> Western District Court of Texas, San Antonio Division. Suit regarding the alleged leakage of chlorinated solvents from an air force base to surrounding areas. Retained by the Plaintiffs.	4/9/93

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23	Case No. 390-37213-SAF-11 and Case No. 390-37214-SAF-11, jointly administered Chapter 11; In re: <i>National Gypsum Company v. Aancor Holdings, Inc.</i> Retained by the U.S.	6/24/92 5/18–20/92 4/26–27/92
22	Cause No. 85-17210-F; <i>Andrea Acosta, et al., v. Farm & Home Savings Association</i> . District Court of Harris County, Texas. Suit concerning Brio (Houston, Texas) Superfund site. Retained by the Plaintiffs.	5/13/92
21	Civil Action No. CIV-91-655-W; <i>Larry and Judy Bentley v. Koch Gathering Systems, Inc.</i> Suit concerning the remediation of an oil spill. Retained by Koch.	2/21/92 1/16/92
20	Cause No. 90C0468; <i>Billy White, et. al., v. BP Chemicals, Inc. et. al.</i> , District Court of Brazoria County, Texas.	1/7/92
19	File No. 3-90-312; <i>Kenneth M. Anderson as Personal Representative of the Estate of Fred W. Hedberg v. City of Minnetonka et al.</i> United States District Court for the District of Minnesota, Third Division. Retained by the Plaintiff.	7/16/91
18	Consolidated Civil Action No. 83-C–2379; <i>United States of America v. Shell Oil Company</i> , consolidated with Civil Action No. 89–C–1646, <i>United States of America v. State of Colorado</i> . U.S. District Court for the State of Colorado. Retained by the U.S.A.	4/22–23/91
17	Case No. 485,475; <i>Billy Fred Platt and Paula Kay Callahan v. Bio-Gro Systems, Inc. and the City of Austin</i> . 353rd District Court, Travis County, Texas. Contamination to soil resulting from sewage sludge application. Retained by Mr. Platt.	3/28/91
16	Cause No. C88-0190-B consolidated with C89-0153-B; <i>Sinclair Oil Corporation v. James S. Scherer, et al., and United States of America v. Sinclair Oil Corporation</i> . United States District Court for the District of Wyoming. Suit concerning alleged contamination from refinery operations. Retained by the United States.	4/27/90
15	Case No. 63,993; <i>Lawrence and Verna Postier v. Laidlaw Waste Systems, Inc., et. al.</i> , 240th Judicial District Court for Fort Bend County, Texas. Personal injury as a result of methane gas migration from a landfill. Retained by the Plaintiff.	1/9/90 12/21/89
14	Cause No. 1-88-0141-W; <i>Watts and wife v. Koch Gathering Systems, Inc.</i> United States District Court, North Texas Division, Abilene. Suit concerning land damages resulting from an oil spill. Retained by Koch.	8/23/89
13	<i>The United States of America, the State of New York, and UDC-Love Canal, Inc., v. Occidental Chemical Corp., Occidental Chemical Holding Corp., Occidental Petroleum Investment Co., Occidental Petroleum Corp., City of Niagara Falls, Niagara County Health Department, and the Board of Education of the City of Niagara Falls, Love Canal Landfill</i> . United States District Court for the Western District of New York. Deposition on the mobility of organic pollutants through clay. Retained by the Plaintiff.	3/20–21/89

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12	Case No. 85-17210-C; <i>James L. Slaughter, et al., v. Farm and Home Savings, et al.</i> , and Case No. 86-48352; <i>Mike Fenimore, et al., v. Farm and Home Savings</i> . 151st Judicial District Court of Harris County, Texas. Damages and clean-up of Brio (Houston, Texas) Superfund site. Retained by the Plaintiffs.	1/13/89 11/11/88
11	Case No. CIV-86-1401-P; <i>The United States of America v. Royal N. Hardage, et al., Advance Chemical Company, et al., v. ABCO, et al.</i> United States District Court for the Western District of Oklahoma. Enforcement of ROD concerning remediation of hazardous waste site. Retained by the Plaintiff.	6/13/88 12/2/88
10	Case No. H-86-2629; <i>United States of America v. International Shoe Company</i> . RCRA compliance for solvent waste surface impoundment. Retained by the U.S.A.	3/5/88
9	<i>Joseph Edward Powell, et al., v. Pulte, et. al.</i> , District Court of Harris County, Texas. Vol. 1 No. 84-75865.	11/11/88
8	Case No. M-85-191-CA; <i>Sammy C. McElroy and wife, Kathleen Ann McElroy v. Getty Oil Company and Texaco, Inc.</i> United States District Court for the Eastern District of Texas, Marshall Division; and Case No. CA-93-54; <i>Sammy C. McElroy and wife, Kathleen Ann McElroy v. Halliburton Company</i> . District Court In and For Panola County, Texas. Fish kill resulting from acid drainages from dried pond bottom mud. Retained by the Defendant.	9/5/86 11/7/86
7	Case No. 84-1112-A; <i>Gary L. Overstreet and Glenda Ann Overstreet v. Texas Oil and Gas Corporation and Delhi Gas Pipeline Corporation</i> . 14th Judicial District Court of Dallas County, Texas. Suit concerning alleged sulfur contamination of soil, forage, and its potential impact on the productivity of dairy cattle. Retained by the Defendant.	5/2/86
6	Case No. 86-6-8186; <i>Mobil Producing Texas and New Mexico v. Burr Stafford, et al.</i> 24th Judicial District Court In and For Jackson County, Texas. Testimony on the damages to soil and crops caused by oil production activities. Retained by the Plaintiff.	3/11/86
5	Case No. 83-CV-1116; <i>Clifford and Sandra Schiesl, et al., and Orrin Hagen v. Uniroyal, Inc., and Waste Management of Wisconsin, Inc. v. City of Stoughton, et al., v. Richard H. Sundby, et al.</i> Circuit Court for the State of Wisconsin, Dane County. Contribution of municipal waste constituents to ground water contamination of the Hagen Landfill (Superfund Site) in Dane County, Wisconsin. Retained by Uniroyal.	10/17/86
4	<i>Bagwell Greenhouse v. Ball Seed Company</i> . Suit over loss of crops due to contaminated plant growth mixture. Retained by the Defendant.	
3	<i>French v. Voluntary Purchasing Groups, Inc.</i> Suit over the loss of cattle and the contamination of pasture land with arsenic. Retained by the Defendant.	
2	<i>Rader and Carpenter v. Texas-New Mexico Pipeline Company</i> . Damage to soil, trees, and pasture due to oil spill down creek channel. Retained by the Defendant.	3/11/88

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- 1 *Stronglite Products Company v. Frit Industries*. Suit over the sale of products that contaminated plant growth mixture. Retained by the Plaintiff.

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REGULATORY HEARING TESTIMONY

26	Testimony at a hearing of the South Carolina Department of Health and Environmental Protection regarding the GSX landfill. Retained by the Opposition.	3/93 2/93
25	In the matter of the application of the North Texas Municipal Water District to Amend Solid Waste Permit No. 568A	2/15/93
24	Testimony at a hearing on a proposed permit amendment regarding the City of McKinney (TX) Landfill. Retained by the Opposition.	1/27/93
23	Testimony at hearings of the Public Utility Commission of Texas regarding the Lon C. Hill-Coleto Creek 345 kv Transmission Line. Retained by the Applicant.	6/1/92 5/92 1990
22	Testimony at a hearing to review an amendment to expand the City of Waco (TX) Landfill. Retained by the Opposition.	1/23/91
21	Testimony at hearing regarding the siting of the Cherokee County Landfill (TX) near an aquifer recharge area. Retained by the Opposition.	9/21–22/88
20	Testimony at permit hearing regarding the Green Valley Environmental Corporation Landfill in Greenup County, Kentucky, regarding suitable siting criteria for a landfill. Retained by opposing parties Clarence Clay, Janet Brown, et. al.	9/88
19	Application of Metropolitan Waste Systems for a Landfill.	7/27/88
18	Application of Laidlaw Waste Systems, Inc. before the Regional Pollution Control Facility Siting Committee of the McHenry County Board.	6/17/87
17	Testimony at a hearing of the Wayne County Board of Commissioners (IL) on operation and maintenance of landfills and associated problems that can impact the environment.	7/15–18/86
16	Testimony at a hearing to review a Browning-Ferris Industries municipal landfill (TX) permit application. Retained by the Tri-County Civic Association.	11/9/83
15	Testimony at an administrative hearing in Illinois on the criteria to be used to ban organic chemicals from landfills.	11/1/83
14	Testimony at hearings held by the Texas Railroad Commission regarding the Texas Municipal Power Agency. Retained by TMPA.	1980
13	Testimony at a permit hearing regarding a proposed Chemical Waste Management landfill in Lake Charles, Louisiana.	1978
12	Testimony at a hearing to review a Browning-Ferris Industries municipal landfill (TX) permit application. Retained by the Tri-County Civic Association.	11/9/83
11	Testimony at EPA hearing on Chemical Waste Management Part B application for hazardous waste site at Elmiel, Alabama. Comments on permit deficiencies. Retained by the Opposition.	

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- 10 Testimony at an administrative hearing on the location of a Florida landfill in deep sandy soils. Retained by Citizens for a Clean Environment.
- 9 Testimony at a hearing on the State of Florida's alternative landfill liner designs. Retained by MFM Environmental.
- 8 Testimony at a hearing of the Jefferson County Board of Commissioners (IL) on the siting of a proposed landfill. Retained by the Opposition.
- 7 Testimony at a hearing of the Iniquois County Board of Commissioners (IL) on the siting of a proposed municipal waste in water table. Retained by the Opposition.
- 6 Testimony at a permit hearing on the land treatment of industrial wastes at the Exxon Chemical-Rollins Environmental facility in Baton Rouge, Louisiana. Retained by Exxon and Rollins.
- 5 Testimony on pond design and assessment of offsite environmental risks at the USPCI facility in Oklahoma. Retained by USPCI.
- 4 Testimony at a hearing of the Texas Railroad Commission regarding revocation of a permit for drilling mud disposal operations which had overflowed onto adjacent soil. Retained by the Opposition.
- 3 Testimony at a hearing of the Texas Water Commission regarding the land treatment of industrial wastes by Conservation Services, Inc. Retained by the Applicant.
- 2 Testimony at a hearing of the Texas Water Commission concerning the Liberty Waste Disposal Company landfill to be located near Anahuac, Texas. Retained by the Opposition.
- 1 Testimony at a hearing of the Texas Water Commission regarding a zero discharge permit for the irrigation disposal of treated sewage effluent. Retained by Upland Industries.

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LEGISLATIVE HEARING TESTIMONY

6	Testimony at a hearing of the Texas House of Representatives, Environmental Affairs Committee in April 1987, on the need for legislation to set up a waste management plan for the state.	4/87
5	Testimony at a hearing of the Texas Governor's Taskforce on Oil Spills in February 1985, on the fate of oil spill debris, and disposal technology options.	2/85
4	Testimony at a hearing of the Texas Governor's Taskforce on Hazardous Waste in November 1984, on the effectiveness of landfills for disposal technology.	11/84
3	Testimony at a hearing of the Texas Governor's Taskforce on Hazardous Waste in June 1984, on the impact of organic chemicals on the permeability of soils.	6/84
2	Testimony at a hearing of the U.S. House of Representatives, Science and Technology Committee in November 1982, on the adequacy of EPA's liquid management system to protect groundwater at hazardous waste landfills.	11/82
1	Testimony at a hearing of the Texas House of Representatives, Environmental Affairs Committee in April 1982, on the impact of organic chemicals on the permeability of clay liners.	4/82

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EXPERT WITNESS REPORTS/AFFIDAVITS

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| 100 | Case No. 1:09-CV-0228, DNH-DRH, consolidated with Case No. 1:11-CV-006; <i>Village of Stillwater, et al., Plaintiffs, v. General Electric Co., Defendants</i> in the United States District Court, Northern District of New York. Case involved contamination of the Hudson River with polychlorinated biphenyls. Rebuttal Report. Retained by the Plaintiffs. | 2/14/14 |
| 99 | Case No. 1:09-CV-0228, DNH-DRH, consolidated with Case No. 1:11-CV-006; <i>Village of Stillwater, et al., Plaintiffs, v. General Electric Co., Defendants</i> in the United States District Court, Northern District of New York. Case involved contamination of the Hudson River with polychlorinated biphenyls. Expert Report. Retained by the Plaintiffs. | 9/20/13 |
| 98 | Cause No. 3:08-CV-00229; <i>Natural Resource Defense Council, et al., Plaintiffs, v. County of Dickson, Tennessee, et al., Defendants</i> in the United States District Court for the Middle District of Tennessee. Case involved the contamination of groundwater by contaminants disposed of in the Dickson County Landfill. Expert Report. Retained by the Plaintiffs. | 8/6/10 |
| 97 | Cause No. 08-CV-0161; <i>Mary Ellen Hall, et al., Plaintiffs, v. Radiator Specialty Co., et al., Defendants</i> in the District Court of Galveston County, Texas, 212th Judicial District. Case involved the exposure to benzene from historical emissions from the Union Carbide Chemical Co. facility in Texas City, Texas. Expert Report. Retained by the Plaintiffs. | 11/6/09 |
| 96 | Cause No. E-178,440; <i>Darla J. Lemaire, et al., Plaintiffs, v. Berryman Products, et al., Defendants</i> in the District Court of Jefferson County, Texas, 172nd Judicial District. Case involved the exposure to benzene from on-going emissions from the Huntsman Petrochemical facility in Port Neches, Texas. Expert Report. Retained by the Plaintiffs. | 7/24/09 |
| 95 | Civil Action No. 04-C-465; <i>Virgie Allen, et al., Plaintiffs, v. Monsanto Company, et al., Defendants</i> in the Circuit Court of Putnam County, West Virginia. Case involved the contamination of communities with dioxins from the emissions from the former Monsanto facility in Nitro, West Virginia. Affidavit. Retained by the Plaintiffs. | 8/19/08 |
| 94 | Docket No. L-13345-91; <i>Pennsauken Solid Waste Management Authority, et al., Plaintiff, v. New Jersey Department of Environmental Protection, et al., Defendants</i> in the Superior Court of New Jersey, Camden County: Law Division. Case involved disposal of hazardous substances in the commercial and industrial wastes at the Pennsauken Landfill in Camden County, New Jersey and the contamination of groundwater as a result of these disposal practices. Expert Report. Retained by Third-Party Defendant Cooper Industries, Inc. | 7/18/08 |

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| 93 | Cause No. GN-04-001028; <i>Sotero Carrillo, Jose Carmen Carrillo, Miguel Cruz, and Greg Fuller and A&B Construction, Inc., Plaintiffs, v. Reichold, Inc., Defendants, Zurich American Insurance Co., Intervenor.</i> In the District Court of Travis County, Texas 98th Judicial District. Affidavit. Retained by the Plaintiffs. | 3/26/08 |
| 92 | Case No. 05-21207 Chapter 11 (Jointly Administered); In re: <i>ASARCO LLC, et al.</i> , in the United States Bankruptcy Court for the Southern District of Texas, Corpus Christi Division. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Expert Rebuttal Report. Retained by the Plaintiffs. | 2/4/08 |
| 91 | Case No. 05-21207 Chapter 11 (Jointly Administered); In re: <i>ASARCO LLC, et al.</i> , in the United States Bankruptcy Court for the Southern District of Texas, Corpus Christi Division. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Expert Report. Retained by the Plaintiffs. | 11/15/07 |
| 90 | Case No. 03-CV-498-CVE-PJC; <i>Jimmy Dale Palmer, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Affidavit. Retained by the Plaintiffs. | 6/15/07 |
| 89 | File No. 62-C7-05-012469; <i>State of Minnesota, Plaintiff, v. Evanston Insurance Co., et al., Defendants</i> in the District Court of Minnesota, Second Judicial District. Case involved the disposal of hazardous substances with industrial waste at the WDE Landfill and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 6/8/07 |
| 88 | Case No. 03-CV-498-CVE-PJC; <i>Jimmy Dale Palmer, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Affidavit. Retained by the Plaintiffs. | 6/4/07 |
| 87 | Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I .DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved the contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Retained by the Plaintiffs. | 4/2/07 |

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86	Civil Action No. 02-CV-3830; <i>Agere Systems, Inc., et al., Plaintiffs, vs. Advanced Environmental Technology Corporation, et al., Defendant</i> , in the United States District Court for the Eastern District of Pennsylvania. This case involved the alleged disposal of hazardous wastes at the Boarhead Farms Superfund Site in Bucks County, Pennsylvania. Retained by Handy & Harman Tube Co., Defendant.	9/28/06
85	Cause No. GN-04-001028; <i>Sotero Carrillo, Jose Carmen Carrillo, Miguel Cruz, and Greg Fuller and A&B Construction, Inc., Plaintiffs, v. Reichold, Inc., Defendants, Zurich American Insurance Co., Intervenor</i> . In the District Court of Travis County, Texas 98th Judicial District. Retained by the Plaintiffs.	8/29/06
84	Court File No. 94-CQ-57578-CM; Ontario Superior Court of Justice between: <i>Frank Augustine, et al., Plaintiffs, and INCO Limited, Defendant</i> . This case involved claims of contamination and economic loss as a result of emissions from the former nickel smelter in Port Colborne, Ontario. Expert Report. Retained by the Defendant.	5/1/06
83	Case No. 3:98-CV-3601; <i>Cargill, Inc., et al., Plaintiffs, v. ABCO Construction, Inc., et al., Defendant</i> , in the United States District Court for the Southern District of Ohio, Western Division. This case involved claims of the disposal of hazardous substances in the former Valleycrest Landfill and the subsequent contamination of the Great Miami Aquifer. Expert Report. Retained by the Plaintiffs.	3/1/06
82	Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I. DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved claims of contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Rebuttal Report. Retained by the Plaintiffs.	2/28/06
81	Court File No. 94-CQ-57578-CM; Ontario Superior Court of Justice between: <i>Frank Augustine, et al., Plaintiffs, and INCO Limited, Defendant</i> . This case involved claims of contamination and economic loss as a result of emissions from the former nickel smelter in Port Colborne, Ontario. Expert Report. Retained by the Defendant.	2/16/06
80	Case no. 04-C-296-2; <i>Lenora Perrine, et al., Plaintiffs vs. E.I. DuPont de Nemours and Company, et al., Defendants</i> , in the Circuit Court of Harrison County, West Virginia. This case involved claims of contamination of homes and properties with metal dust from the former Meadowbrook Smelter in Spelter, West Virginia. Expert Report. Retained by the Plaintiffs.	11/11/05
79	Civil No. 95-2907 (DMC); <i>Interfaith Community Organization, et al., Plaintiffs vs. Honeywell International Inc., et al., Defendants</i> in the United States Court of Appeals for the Third Circuit. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Declaration. Retained by Honeywell, Defendant.	10/05/05

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| 78 | Cause No. L-02-0087-CV-A; <i>Betty Waldean Woelfel, et al., Plaintiffs, vs. Intercontinental Energy Corporation d/b/a IEC Corp. of Texas and Westinghouse Electric Company, L.L.C., Defendants</i> in the District Court of Live Oak County, Texas, 36th Judicial District. Case involved the remediation and release of land associated with the Lamprecht and Zamzow ISL Uranium mine sites. Supplemental Affidavit. Retained by Defendant Viacom. | 8/8/05 |
| 77 | Cause No. L-02-0087-CV-A; <i>Betty Waldean Woelfel, et al., Plaintiffs, vs. Intercontinental Energy Corporation d/b/a IEC Corp. of Texas and Westinghouse Electric Company, L.L.C., Defendants</i> in the District Court of Live Oak County, Texas, 36th Judicial District. Case involved the remediation and release of land associated with the Lamprecht and Zamzow ISL Uranium mine sites. Affidavit. Retained by Defendant Viacom. | 7/29/05 |
| 76 | Cause No. 02-4162 JPG; <i>Chevron Environmental Management Company, Chevron Environmental Services Company, and Texaco Inc., Plaintiffs, v. Indian Refining I Limited Partnership (f/k/a Indian Refining Limited Partnership), et al, Defendants</i> in the United States District Court for the Southern District of Illinois. Case involved remediation and allocation of costs for the former Indian refinery in Lawrenceville, IL. Affidavit. Retained by the Plaintiff | 7/19/05 |
| 75 | Case No. 03-CV-327 (H) M; <i>Betty Jean Cole, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Affidavit. Retained by the Plaintiffs. | 5/27/05 |
| 74 | Civil Action No. 95-CV-6400L, <i>Seneca Meadows, Plaintiff vs. ECI Liquidating, et al., Defendants</i> in the United States District Court, Western District of New York. This case involved claims against defendants concerning the disposal of hazardous substances in the Tantalio Landfill, Seneca Falls, New York. Retained by the Plaintiff. | 5/10/05 |
| 73 | Cause No. 02-4162 JPG; <i>Chevron Environmental Management Company, Chevron Environmental Services Company, and Texaco Inc., Plaintiffs, v. Indian Refining I Limited Partnership (f/k/a Indian Refining Limited Partnership), et al, Defendants</i> in the United States District Court for the Southern District of Illinois. Case involved remediation and allocation of costs for the former Indian refinery in Lawrenceville, IL. Retained by the Plaintiff | 5/2/05 |
| 72 | File No. C7-0310992; <i>State of Minnesota, Plaintiff, v. American Hardware Mutual Insurance Company, Defendants</i> in the District Court of Minnesota, Tenth Judicial District. Case involved the disposal of hazardous substances with industrial waste at Oak Grove and East Bethel Landfills and the contamination of groundwater as a result of these disposal practices. Retained by the Plaintiff. | 4/11/05 |

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| 71 | Cause No. C200300273 <i>Judy Miller, Stan Miller, Deanna Aureli, Brent Aureli, and Nicholas Aureli v Blue Haven Pool, Defendant</i> in the Texas Judicial Court of Johnson County. Case involved claims against the defendant regarding the installation of a swimming pool, and a broken septic sewer line. Retained by the Defendant. | 11/22/04 |
| 70 | Case No. 03-CV-327 (H) M; <i>Betty Jean Cole, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Expert Rebuttal Report. Retained by the Plaintiffs. | 10/28/04 |
| 69 | Nos. 03-2760, 03-3037 & 03-3585; <i>Interfaith Community Organization, et al., Plaintiffs vs. Honeywell International Inc., et al., Defendants</i> in the United States Court of Appeals for the Third Circuit. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Affidavit. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 6/25/04 |
| 68 | Civil Action No. 01:01-CV-890; <i>Lyondell Chemical Company, et al., Plaintiffs v. Albemarle Corporation, et al., Defendants</i> in the United States District Court for the Eastern District Of Texas Beaumont Division. This case involved the disposal of waste containing hazardous substances and groundwater contamination at the Turtle Bayou Superfund in Liberty County, Texas. Supplemental Report. Retained by ExxonMobil, Defendant. | 5/14/04 |
| 67 | Case No. 94 CV 012385; <i>Employers Insurance of Wausau, A Mutual Company, Plaintiffs, v. Newell Co., Defendants</i> in the State of Wisconsin Circuit Court for Milwaukee County. Case involved characterization of waste streams and the hazardous constituent content of waste streams produced by the Newell Co. subsidiaries, as well as the disposal of hazardous constituents into municipal landfills by the Newell Co. subsidiaries. Expert Report. Retained by the Defendants. | 5/3/04 |
| 66 | Cause No. 03-001121-CV; <i>Joseph Paul Horlen, et al., Plaintiffs, v. Robert S. Smith and Robo Investments, Inc., Defendants</i> in the District Court of Brazos County, Texas, 361st Judicial District. Case involved the subsurface loss of water from a man-made lake within a residential subdivision and the subsequent undercutting of riverbank along the Brazos River. Affidavit. Retained by the Plaintiffs. | 4/29/04 |

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| 65 | Case No. 03-CV-327 (H) M; <i>Betty Jean Cole, et al., Plaintiffs, v. Asarco Incorporated, et al., Defendants</i> in the United States District Court for the Northern District of Oklahoma. Case involved an evaluation of the Tar Creek Superfund site and the subsequent assessment and evaluation of lead contamination and lead transport pathways in the communities of Picher and Cardin, Oklahoma, including the impacts of lead exposure to the children within these communities. Expert Report. Retained by the Plaintiffs. | 4/12/04 |
| 64 | Cause No. 03-001121-CV; <i>Joseph Paul Horlen, et al., Plaintiffs, v. Robert S. Smith and Robo Investments, Inc., Defendants</i> in the District Court of Brazos County, Texas, 361st Judicial District. Case involved the subsurface loss of water from a man-made lake within a residential subdivision and the subsequent undercutting of riverbank along the Brazos River. Expert Opinion. Retained by the Plaintiffs. | 3/5/04 |
| 63 | Docket No. CWA-06-2003-4805; <i>BP Pipelines (North America) Inc., Respondent, v. United States Environmental Protection Agency Region 6.</i> Case involved the subsurface release of crude oil from a pipeline at a site near Mertzon, Texas. Declaration. Retained by the Respondent. | 2/6/04 |
| 62 | Civil Action No. 95-2097; <i>Interfaith Community Organization, et al., vs. Honeywell International Inc., et al.,</i> in the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Affidavit. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 1/9/04 |
| 61 | Civil Action No. 01:01-CV-890; <i>Lyondell Chemical Company, et al., Plaintiffs v. Albemarle Corporation, et al., Defendants</i> in the United States District Court for the Eastern District Of Texas Beaumont Division. This case involved the disposal of waste containing hazardous substances and groundwater contamination at the Turtle Bayou Superfund in Liberty County, Texas. Expert Witness Report. Retained by ExxonMobil, Defendant. | 12/19/03 |
| 60 | File No. CT 02-016741; <i>State of Minnesota, by its Attorney General, Mike Hatch, Plaintiff, v. American Hardware Mutual Insurance Company, et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the breach of the asphalt seal in the Hazardous Waste Disposal Pit at the Waste Disposal Engineering Landfill in Anoka County contributed to the groundwater contamination in the vicinity of the site. Affidavit. Retained by the Plaintiff. | 12/19/03 |
| 59 | Civil Action No. 95-2097; <i>Interfaith Community Organization, et al., vs. Honeywell International Inc., et al.,</i> in the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Affidavit. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 12/3/03 |

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| 58 | Docket No. CWA-06-2003-4805; <i>BP Pipelines (North America) Inc., Respondent, v. United States Environmental Protection Agency Region 6</i> . Case involved the subsurface release of crude oil from a pipeline at a site near Mertzon, Texas. Expert Witness Report. Retained by the Respondent. | 11/21/03 |
| 57 | Civil Action No. 95-2097; <i>Interfaith Community Organization, et al., Plaintiffs vs. Honeywell International Inc., et al., Defendants</i> in the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Declaration. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 11/13/03 |
| 56 | Civil Action No. 95-CV-6400L; <i>Seneca Meadows, Inc., et al., Plaintiffs, v. ECI Liquidating, Inc., et al., Defendants</i> in The United States District Court Western District Of New York. Case involved the disposal of industrial and domestic waste at the Tantalio Landfill in Seneca County. Expert Witness Report. Retained by the Plaintiff. | 10/17/03 |
| 55 | Civil Action No. 98-CV-0838S (F); <i>W.R. Grace & Co.-Conn., Plaintiff, V. Zotos International, Inc., Defendant</i> in the United States District Court Western District Of New York. Case involved the disposal of cosmetic waste at the Brewer Road Landfill in Waterloo County, and the contamination of groundwater as a result of these disposal practices. Declaration. Retained by the Plaintiff. | 9/29/03 |
| 54 | Court File No. MC00-001819; <i>State of Minnesota, by its Attorney General, Mike Hatch, Plaintiff, v. Employers Insurance of Wausau, A Mutual Company, et al., Defendants</i> in the District Court of Minnesota, Fourth Judicial District. Case involved the disposal of hazardous substances with industrial waste at the Oak Grove Landfill and East Bethel Landfill in Anoka County, and the contamination of groundwater as a result of these disposal practices. Affidavit. Retained by the Plaintiff. | 2/5/03 |
| 53 | Case No. 00-01917 MRP (MANx); <i>Shell Chemical Co., et al., Plaintiffs, vs. The County of Los Angeles, et al., Defendants</i> in the United States District Court for the Central District of California; Case No. 00-1938 MRP (MANx); <i>Phillips Petroleum Co., et al., Plaintiffs, vs. The County of Los Angeles, et al., Defendants</i> in the United States District Court for the Central District of California; and Case No. 00-6420 MRP (MANx); <i>Atlantic Richfield Co., et al., Plaintiffs, vs. BKK Corporation, et al., Defendants</i> in the United States District Court for the Central District of California. These combined cases involved hazardous substances associated with municipal solid waste being deposited at Cal Compact Landfill. Expert Witness Report. Retained by the Plaintiffs. | 1/13/03 |
| 52 | Cause No. 98-56362; <i>Browning-Ferris Industries, Inc., et al., Plaintiffs, v. Certain Underwriters at Lloyd's London, et al., Defendants</i> in the 80th Judicial District, District Court of Harris County, Texas. This case involved the disposal of waste containing hazardous substances and groundwater contamination at the Renner Landfill in Beaumont, Texas. Expert Witness Report. Retained by the Defendants. | 1/03/03 |

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| 51 | Case No. 80-1589; <i>United States of America, Plaintiff, vs. City of Philadelphia, Plaintiff-Intervenor, vs. Union Corporation Metal Bank of America, et al., Defendants, vs. Consolidated Edison Company of New York, et al., Third Party Defendants</i> in the United States District Court for the Eastern District of Pennsylvania. This case involved claims against the defendants concerning the release of PCBs from the Metal Bank/Cottman Avenue Site to the Delaware River. Rebuttal Report. Retained by the Defendants. | 8/23/02 |
| 50 | Civil Action No. 98-CV-0696A (F); <i>Booth Oil Site Administrative Group, Plaintiffs, vs. Safety-Kleen Corp., et al., Defendants</i> , in the United States District Court for the Western District of New York. This case involved claims against the defendants concerning the release of contaminants during used oil-recycling operations at the Booth Oil facility in North Tonawanda, New York. Affidavit. Retained by the Plaintiffs. | 5/02/02 |
| 49 | Case No. 80-1589; <i>United States of America, Plaintiff, vs. City of Philadelphia, Plaintiff-Intervenor, vs. Union Corporation Metal Bank of America, et al., Defendants, vs. Consolidated Edison Company of New York, et al., Third Party Defendants</i> in the United States District Court for the Eastern District of Pennsylvania. This case involved claims against the defendants concerning the release of PCBs from the Metal Bank/Cottman Avenue Site to the Delaware River. Expert Witness Report. Retained by the Defendants. | 8/23/01 |
| 48 | Civil Action No. 1999-48287; <i>Tim Dyring et al., Plaintiffs, v. Rohm & Haas Texas, Inc., et al., Defendants</i> in the 125th District Court of Texas. This case involved claims against the defendants concerning the release of hazardous substances to the groundwater from waste materials disposed at the Charley Burch Site in South Montgomery County, Texas. Expert Witness Report. Retained by the Plaintiffs. | 5/31/01 |
| 47 | Civil Action No. 95-2097; <i>Interfaith Community Organization, et al., vs. Honeywell International Inc., et al.</i> , in the United States District Court for the District of New Jersey. This case involved claims against the defendants concerning disposal of chromium waste at the Roosevelt Drive-In Site in Jersey City, New Jersey. Expert Witness Report. Retained by W.R. Grace & Co., W.R. Grace Ltd. and ECARG, Inc., Defendants. | 3/27/01 |
| 46 | Civil Action No. G-96-493; <i>Janie Rivas, et al., vs. Monsanto Company, et al.</i> , in the United States District Court for the Southern District of Texas Galveston Division. This case involves modeling of emissions and air dispersion of hazardous substances emanating from petrochemical wastes processed and disposed of at the Brio/Dixie Oil Processors Superfund Sites in Houston, Texas and related exposures to children in adjacent neighborhoods. Expert Witness Report. Retained by the Plaintiffs. | 3/2/01 |

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| 45 | Civil Action No. 5:97 CV00894; <i>United States of America vs. Chrysler Corporation, et al.</i> , in the United States District Court for the Northern District Of Ohio. This case involved claims against the defendants concerning disposal of hazardous substances in the Krejci Dump Site. Expert Witness Report. Retained by Minnesota Mining & Manufacturing Co., Defendant. | 2/28/01 |
| 44 | Civil Action No. H-98-0408 <i>United States of America, et al vs. Atlantic Richfield Company, et al vs. Ashland, Inc., et al.</i> , in the United States District Court Southern District of Texas Houston Division. This case involved claims against defendants concerning waste disposal at Sikes Pit. Expert Witness Report. Retained by ExxonMobil, Defendant. | 2/15/01 |
| 43 | Case No. 98-CV0726 <i>Connie Lolley Klostermann, et al vs. Ultramar Diamond Shamrock Corporation, et al.</i> , in the 212th Judicial District Court, Galveston County, Texas. This case involved a lawsuit by the landowner concerning property damage resulting from leaking storage tank contamination. Retained by Diamond Shamrock, Defendant. | 5/19/00 |
| 42 | Case No. 97-6222 MRP (MANx) <i>Commercial Realty Projects, Inc., and L.A. Metromall LLC, vs. Atlantic Richfield Company, et al.</i> , in the United States District Court in for the Central District of California. This case involved hazardous substances associated with municipal solid waste being deposited at Cal Compact Landfill. Retained by the Defendants. | 5/8/00 |
| 41 | Civil Action No. 95-CV-6400L, <i>Seneca Meadows vs. ECI Liquidating, et al.</i> This case involved claims against defendants concerning the disposal of hazardous substances in the Tantalo Landfill, Seneca Falls, New York. Retained by the Plaintiff. | 4/18/00 |
| 40 | Case No. 92-034865; <i>James E. Barnet, Sr., et al., vs. Monsanto Company, et al.</i> In the District Court of Harris County, Texas, 80th District Court. This case involved former workers' claims concerning exposure to hazardous chemicals. Retained by the Plaintiffs. | 4/7/00 |
| 39 | Case No. 97-6222 MRP (MANx) <i>Commercial Realty Projects, Inc., and L.A. Metromall LLC, vs. Atlantic Richfield Company, et al.</i> , in the United States District Court in for the Central District of California. This case involved hazardous substances associated with municipal solid waste being deposited at Cal Compact Landfill. Retained by the Defendant. | 2/25/00 |
| 38 | Civil Action No. 89-4340(JBS); <i>The United States v. Helen Kramer</i> ; United States District Court District of New Jersey. This case involved claims against a defendant concerning the disposal of hazardous substances in the Kramer Landfill (Superfund Site). Retained by the Plaintiffs. | 6/99 |

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| 37 | Civil Action No. G-96-494; <i>Thu Van Le, et al., v. Monsanto Co., et al.; Defendant.</i> In the United States District Court for the Southern District of Texas Galveston Division. This case involved modeling of emissions and air dispersion of hazardous substances emanating from petrochemical wastes processed and disposed of at the Brio/Dixie Oil Processors Superfund Sites in Houston, Texas and related exposures to children in adjacent neighborhoods. Retained by the Plaintiffs | 2/5/99 |
| 36 | Civil Action No. G-96-493; <i>Janie Rivas, et al., vs. Monsanto Company, et al.; Defendant.</i> In the United States District Court for the Southern district of Texas Galveston Division. This case involved modeling of emissions and air dispersion of hazardous substances emanating from petrochemical wastes processed and disposed of at the Brio/Dixie Oil Processors Superfund Sites in Houston, Texas and related exposures to children in adjacent neighborhoods. Retained by the Plaintiffs. | 2/5/99 |
| 35 | Civil Action No. 95-2215; <i>Becton Dickinson Puerto Rico, Inc., et al., vs. Cheeseborough Pond's Manufacturing Company, et al.;</i> United States District Court for the District of Puerto Rico. This case involved claims against the defendant concerning the disposal of hazardous substances in the Juncos Landfill (Superfund Site). Retained by the Plaintiffs. | 1/19/99
3/3/97
11/14/96 |
| 34 | Case No. 95C-1065; <i>Lemberger Sites Remediation Group, Plaintiff, v. A.M. Richter & Sons Co., et al., and White Consolidated Industries, Inc., Defendants;</i> In the United States District Court Eastern District of Wisconsin. This case involved hazardous constituents in waste going to Lemberger Landfill (Superfund Site). Retained by the Plaintiff. | 11/12/98 |
| 33 | Case No. 98-459-A, <i>Lewie Byers, vs. Texaco Exploration and Production Inc. and Texaco, Inc.;</i> In the District Court of Smith County, Texas 7th Judicial District. This case involves claims of contamination due to releases of crude oil and fluids from oil field production activities. Retained by the Defendant. | 4/30/99
2/29/99
1/29/99 |
| 32 | Case No. 96-72483; <i>Minnesota Mining and Manufacturing (3M) Company, Plaintiff v. Howard W. Stein, Jr., Stein Enterprises, Inc. (f/k/a Stein's Flower Shop and Green Houses, Inc.), the Dow Chemical Company, and General Motors Corporation, Defendants.</i> In the United States District Court for the District of Michigan, Southern Division. Case involved evaluation of waste disposed at the Michigan Avenue Dumpsite by General Motors Corporation and Dow Chemical Company. Retained by the Plaintiff, 3M. | 6/31/98
6/15/98 |
| 31 | Case 75524; <i>Clarice Friloux, et al., Plaintiffs, vs. Campbell Wells Corporation, et al., Defendants.</i> In the 17th Judicial District Court, Parish of Lafourche, Louisiana. Case involved claims of offsite air migration of hazardous substances purportedly associated with a non-hazardous oilfield waste disposal facility. Retained by the Defendants. | 5/4/98 |

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| 30 | Court File No. 3-95-933. <i>Onan Corporation, Plaintiff and the State of Minnesota, and by its Attorney General, Hubert H. Humphrey, III, and by It Pollution Control Agency, Intervenor, v. Continental Insurance Company, Defendant.</i> In the United States District Court, District of Minnesota. Case involved time of Leachate travel through two Landfills in Minnesota, Oak Grove Landfill and WDE Landfill, and the impact of the Leachate on the groundwater. For the Intervenor. | 6/18/97 |
| 29 | Civil Action No. 95-514875-CE; <i>Grand Trunk Western Railroad, Incorporated and Star Oil Company, Inc., Plaintiffs vs. Union Oil Company of California, Wynkoop Oil Company, Clement Wynkoop, Secory Oil Company and Lewis Secory, Defendants and Union Oil Company and Clement Wynkoop, Counter-Plaintiffs/Cross-Plaintiffs vs. Secory Oil Company and Lewis Secory.</i> Case involved modeling of the transport and fate of hydrocarbon fuels, which leaked from storage, tanks at a terminal and allegedly migrated onto adjoining properties of plaintiffs. Retained by the Defendants. | 5/22/97
6/2/97 |
| 28 | Civil Action No. 96-C-00489-5; <i>Junker Landfill Trust, Plaintiff vs. United Waste Systems, Inc. et al., Defendants, and Junker Recycling, Inc., et. al., Defendants and Third Party Plaintiffs, vs. Garry Thompson, et al., Third Party Defendants;</i> and Civil Action No. 96-C-00489-5, <i>Landfill Remediation Trust, Plaintiff vs. Garry Thompson, et al., Defendants.</i> In the United States District Court for the Western District of Wisconsin. Case involved contamination of groundwater, surface water, soil gas, and soil at the Junker Landfill (Superfund Site) and the relationship of that contamination to the wastes from over 450 generators. Retained by Plaintiffs. | 2/20/97 |
| 27 | Case No. 61180; <i>Kenneth and Helen Songer, Plaintiffs vs. Billy and Mary Clement d/b/a Cecle Clement & Sons, and Harrison, Walker, Harper, Inc. and Joe Archer, d/b/a Archer Excavating.</i> In the District Court of Lamar County, Texas, 6th Judicial District. Case involved claims of air contamination (hazardous gases and particulates) from trucking and excavating operations. Retained by the Defendants. | 7/1/97
10/31/97 |
| 26 | Case No. 93-C-0314; <i>Hunt's Generator Committee, et al., Plaintiffs v. Allis Chalmers Corporation, et al., Defendants.</i> In the United States District Court for the Eastern District of Wisconsin. Case involved identification of waste products and hazardous substances within those waste products, which were disposed at the Hunt's Disposal Landfill Site near Caledonia, Wisconsin. Retained by Plaintiff PRP Group. | 4/14/97 |
| 25 | Civil Action No. 94-1449-A; <i>Ardith Cavallo, Plaintiff vs. Star Enterprise, Texaco Refining & Marketing (East), Inc., and Saudi Refining, Inc., Defendants.</i> In the United States District Court, District of Eastern, Virginia. Case involved claim of property damage from hydrocarbons in the groundwater, which allegedly migrated to plaintiff's property from a fuel terminal in Fairfax, Virginia. Retained by the Defendants. | 3/6/97 |

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| 24 | Case No. 93-004644; <i>Mike Adalis, et. al., Plaintiffs, vs. Neighborhood Development Corporation, et. al., Defendants.</i> In the District Court of Harris County, Texas, 269th Judicial District. Case involved claims of groundwater and related drinking water well contamination attributable to a 50 year old oil well blowout. Retained by the defendant Exxon. | 12/16/96 |
| 23 | Case No. 2:92-CV-111; <i>Commercial Union Insurance Co., et al. v. Cannelton Industries, Inc.,</i> In the United States District Court for the Western District of Michigan. Case involved claim against insurance company for environmental remediation cost recovery associated with chromium contamination of St. Mary's River due to a fire at an old tannery plant. Retained by Defendant. | 9/5/96 |
| 22 | Case No. 93-C-0324; <i>Hunt's Generator Committee, et al. v. Allis Chalmers Corporation, et al;</i> In the United States District Court, Eastern District of Wisconsin. Case involved identification of hazardous constituents in common household products found in the municipal solid waste from one city and disposed at the Hunt's Disposal Landfill Superfund Site at Caledonia, Wisconsin. Retained by Plaintiff PRP Group. | 8/21/96 |
| 21 | Civil Action No. H-95-776; <i>Rodney and Brenda Kay Beaver A/N/F of Wesley Michael Beaver and Claude Paul Hargraves v. Monsanto Company;</i> In the United States District Court for the Southern District of Texas, Houston Division. Cause involved short-term exposure of children to toxic contaminants in air, soil, and drinking water at athletic facility located adjacent to waste disposal/processing sites (Dixie Oil Processors/Brio Superfund Sites). Retained by the Plaintiffs. | 5/24/96 |
| 20 | Civil No. BC015575; <i>Atlantic Richfield Co. and ARCO Chemical Co., v. Aetna Casualty and Surety Co. of American.</i> Superior Court of the State of California. A Declaration on behalf of ARCO Garber, ARCO Sand Springs, and ARCO Prewitt. | 10/17/95 |
| 19 | Civil Action No. 87-4263(JHR); <i>General Electric Company v. Buzby Brothers Materials Handling Company, et al.</i> United States District Court for the District of New Jersey. Case involved recovery from commercial and municipal transporters of wastes of the costs for remediation of groundwater contamination at the site of the RCA-Buzby Landfill (Superfund Site) near Voorhees, New Jersey. Retained by the Plaintiff. | 9/28/95 |
| 18 | Case No. 4-93-CV-193; <i>Cooper Industries, Inc., v. Abbott Laboratories, et al., in the U. S. District Court for the Western District of Michigan.</i> Case involving Sturgis (Michigan) Well Field Superfund Site and the apportionment of remediation costs as between plaintiff and 35 defendants for solvent contamination of groundwater. Retained by the Plaintiffs. | 8/14/95 |
| 17 | Civil Action No. 94-C-1025; <i>The City and County of Denver, et. al., v. Alumet Partnership, et al., and Alumet Partnership, et al., v. City of Aurora.</i> U.S. District Court for the District of Colorado. Retained by the Defendants. | 5/31/95 |
| 16 | Civil Action No. 94-1449-A; <i>Ardith Cavallo v. Star Enterprise, Texaco Refining & Marketing (East), Inc., and Saudi Refining, Inc.</i> United States District Court, District of Eastern Virginia. Expert Witness Report. Retained by the Defendants. | 4/24/95 |

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15	Civil Action No. 93-CV-0080-B; <i>KN Energy, Inc. et al., v. Sinclair Oil Corporation d/b/a Little America Refining Company</i> . United States District Court, District of Wyoming. Expert Witness Report. Retained by the Plaintiff.	2/15/95
14	Docket Nos. BUR-L-2533-92/01267-93; <i>Gouryeb v. Woodland Township Planning Board</i> , Superior Court of New Jersey, Law Division/Burlington County. Affidavit. Retained by the Plaintiff.	12/1/94
13	Consolidated Civil Actions No. 90-75 BU-PGH; <i>ARCO v. Oaas, et al.</i> , and No. 91-82-BU-PGH, <i>United States v. Montana Pole and Treating Plant, et al.</i> United States District Court for the District of Montana, Butte Division. Expert Witness Report. Retained by the Defendant/Third Party Plaintiff.	8/15/94 9/12/94
12	Civil Action No. 94-243-A; <i>William H. Ogden and Gay E. Tiffany v. Star Enterprise, et al.</i> United States District Court for the Eastern District of Virginia, Alexandria Division. Declaration. Retained by the Defendants.	8/31/94
11	Civil No. 93-186; <i>United States v. Somerset Refinery, Inc.</i> United States District Court for the Eastern District of Kentucky. Expert Witness Report. Retained by the U.S. Department of Justice.	8/26/94
10	Civil No. 93-381-A; <i>Brian Feikema et al., v. Texaco, Inc., et al.</i> United States District Court for the Eastern District of Virginia. Declaration. Retained by the Defendants.	7/14/94 6/29/94
9	Docket No. N-93-39-BU-PGH; <i>Montana Resources Inc., et al., v. Atlantic Richfield Co.</i> U.S. District Court for the District of Montana. Retained by the Defendant.	6/14/94
8	Case No. 89-135; <i>Citizens Asking For a Safe Environment, Inc., et al., v. South Carolina Department of Health and Environmental Control, et al.</i> In the Matter of the RCRA Permit Decision for GSX Services of SC, Inc. Pinewood Facility, Sumter County; SC, before the State of South Carolina Board of Health and Environmental Control. Retained by the Opposition.	3/94
7	File No. 3-90-312; <i>Kenneth M. Anderson as Personal Representative of the Estate of Fred W. Hedberg v. City of Minnetonka et al.</i> United States District Court for the District of Minnesota, Third Division. Affidavit. Retained by the Plaintiff.	12/18/92
6	Affidavit and rebuttal affidavit regarding the proposed Lon C. Hill-Coletto Creek 345 kV transmission line. Retained by Central Power & Light.	10/21/91 8/90
5	File No. 3-90-312; <i>Kenneth M. Anderson as Personal Representative of the Estate of Fred W. Hedberg v. City of Minnetonka et al.</i> United States District Court for the District of Minnesota, Third Division. Retained by the Plaintiff.	7/16/91
4	Civil Action No. N-87-52 (both cases); <i>The B. F. Goodrich Company, et. al., v. Harold Murtha, et al., and Harold Murtha, et al., v. Risdon Corporation</i> . Circuit Court for the State of Connecticut. Contribution of municipal waste to environmental contamination associated with the Beacon Heights and Laurel Park Landfills (Superfund Sites). Retained by the Laurel Park and the Beacon Heights Coalitions.	6/29/90

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| 3 | Cause No. C88-0190-B consolidated with C89-0153-B; <i>Sinclair Oil Corporation v. James S. Scherer, et al., and United States of America v. Sinclair Oil Corporation</i> . United States District Court for the District of Wyoming. Suit concerning alleged contamination from refinery operations. Retained by the United States. | 4/27/90 |
| 2 | Case No. 80-4-CIV-7; <i>The United States of America v. Waste Industries, Inc., et al.</i> United States District Court for the Eastern District of North Carolina, Wilmington Division. Affidavit on leaking municipal landfill. Retained by the Plaintiff. | 9/29/85 |
| 1 | Affidavit and rebuttal affidavit regarding the proposed expansion of the Azusa Landfill (CA). Retained by an <i>amicus curae</i> party. | |

Comprehensive Listing of Testimony by K. W. Brown

EXPERT WITNESS REPORTS/AFFIDAVITS

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| 3 | Report of “An Investigation and Assessment of the Texaco Sand Flat Unit,” by Dr. Kirk W. Brown. Prepared for Wallace, King, Marraro, and Branson, LLC on behalf of Texaco Exploration and Production. | 11/13/98 |
| 2 | Report of “Evidence of Leachate Leaking from Azusa Landfill,” by Dr. Kirk W. Brown. Prepared for Geoscience Support Services, Inc. for Metropolitan Water District of California. | |
| 1 | Cause No. 93-1235; <i>Adams, et al., v. RSR Corporation, et al.</i> 71st Judicial District Court; Harrison County, Texas. Retained by the Plaintiffs. | 12/14/94 |

APPENDIX 3

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